

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

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address ConocoPhillips Company 600 West Illinois Ave. Midland, TX 79701		² OGRID Number 217817	
		³ Reason for Filing Code/ Effective Date NW/9.18.23	
⁴ API Number 30-25-45723	⁵ Pool Name Zia Hills, Wolfcamp		⁶ Pool Code 98081
⁷ Property Code 325136	⁸ Property Name Zia Hills 20 Federal Com		⁹ Well Number 114H

II. ¹⁰ Surface Location

UL or lot no. I	Section 20	Township 26S	Range 32E	Lot Idn	Feet from the 2270	North/South Line S	Feet from the 767	East/West line E	County LEA
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¹¹ Bottom Hole Location

UL or lot no. H	Section 32	Township 26S	Range 32E	Lot Idn	Feet from the 66	North/South line S	Feet from the 761	East/West line E	County LEA
¹² Lse Code S	¹³ Producing Method Code P		¹⁴ Gas Connection Date 9/18/2023		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

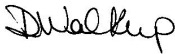
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
34053	Plains Marketing L.P. 333 Clay Street Suite 1900 Houston, TX 77210-4648	O
241602	Enterprise Products P.O. Box 4324 Houston, TX 77210	G

IV. Well Completion Data

²¹ Spud Date 6/4/2022	²² Ready Date 7/15/2023 9/18/2023	²³ TD 21199	²⁴ PBDT 21143.9	²⁵ Perforations 11903-21110	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
14.75		10.75	1364		924
8.75		7.625	11066		1480
6.75		5.5	21179		1545

V. Well Test Data

³¹ Date New Oil 9/18/2023	³² Gas Delivery Date 9/18/2023	³³ Test Date 9/28/2023	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 1587	³⁶ Csg. Pressure 2219
³⁷ Choke Size 29/64	³⁸ Oil 984	³⁹ Water 2082	⁴⁰ Gas 2965		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Danielle D. Walkup			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Coordinator			Title: PETROLEUM SPECIALIST		
E-mail Address: d.d.walkup@conocophillips.com			Approval Date: 8/7/2025		
Date:10/5/2023		Phone: 432-688-9053			

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1000 Rio Brazon Road, Artec, NM 87410
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1220 S. St Francis Dr., NM 87505
Phone: (505) 476-3460 Fax (505) 476-3462

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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☒ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45723	² Pool Code 98081	³ Pool Name ZIA HILLS; WC
⁴ Property Code 325136	⁵ Property Name ZIA HILLS 20 FEDERAL COM	⁶ Well Number #114H
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 3,140.8'

¹⁰ Surface Location

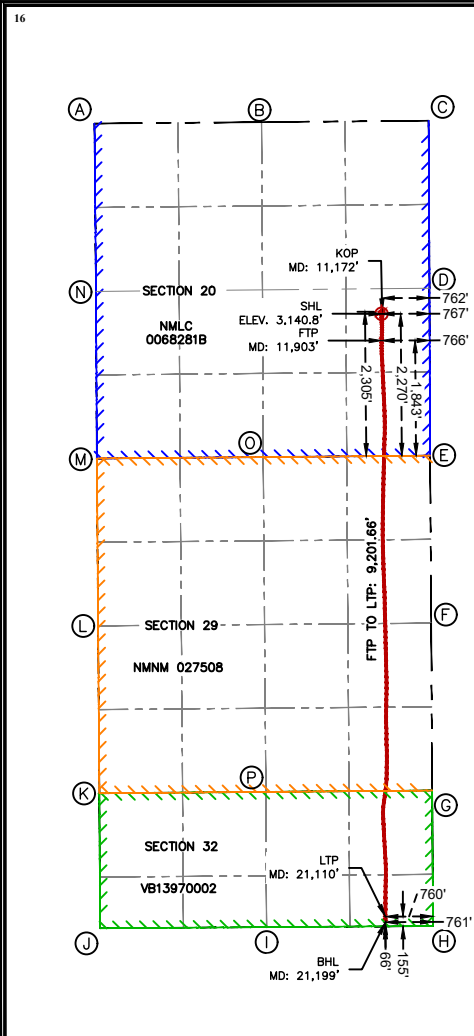
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	20	26 S	32 E	I	2,270'	SOUTH	767'	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 1	32	26 S	32 E	H	66'	SOUTH	761'	EAST	LEA

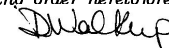
¹² Dedicated Acres 304.65	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	SURFACE HOLE LOCATION 2.270' FSL & 767' FEL NEW MEXICO EAST-NAD 83 NORTH:374.186.90' EAST:740.374.96' LAT:32.02709343 LONG:-103.69106929																		
	KICKOFF POINT 2.305' FSL & 762' FEL NEW MEXICO EAST-NAD 83 NORTH:374.222.32' EAST:740.379.96' LAT:32.02719070 LONG:-103.69105249																		
	FIRST TAKE POINT 1.843' FSL & 766' FEL NEW MEXICO EAST-NAD 83 NORTH:373.760.83' EAST:740.377.47' LAT:32.02592220 LONG:-103.69106936																		
	LAST TAKE POINT 155' FSL & 760' FEL NEW MEXICO EAST-NAD 83 NORTH:364.566.46' EAST:740.436.99' LAT:32.00064750 LONG:-103.69105363																		
	BOTTOM HOLE LOCATION 66' FSL & 761' FEL NEW MEXICO EAST-NAD 83 NORTH:364.477.46' EAST:740.437.00' LAT:32.00040286 LONG:-103.69105530																		
	<table border="1"><thead><tr><th>CORNER COORDINATES NEW MEXICO EAST - NAD 83</th><th>CORNER COORDINATES NEW MEXICO EAST - NAD 83</th></tr></thead><tbody><tr><td>A-FOUND IRON PIPE W/ BRASS CAP N:377.724.61' E:735.795.66'</td><td>I-FOUND IRON PIPE W/ BRASS CAP N:364.399.29' E:738.540.93'</td></tr><tr><td>B-FOUND IRON PIPE W/ BRASS CAP N:377.246.91' E:738.461.95'</td><td>J-FOUND IRON PIPE W/ BRASS CAP N:364.382.47' E:735.885.40'</td></tr><tr><td>C-FOUND IRON PIPE W/ BRASS CAP N:377.269.22' E:741.128.24'</td><td>K-FOUND IRON PIPE W/ BRASS CAP N:366.535.81' E:735.872.97'</td></tr><tr><td>D-FOUND IRON PIPE W/ BRASS CAP N:374.596.59' E:741.140.55'</td><td>L-FOUND IRON PIPE W/ BRASS CAP N:369.206.20' E:735.852.74'</td></tr><tr><td>E-FOUND IRON PIPE W/ BRASS CAP N:371.924.06' E:741.150.79'</td><td>M-FOUND IRON PIPE W/ BRASS CAP N:371.879.35' E:735.833.03'</td></tr><tr><td>F-FOUND IRON PIPE W/ BRASS CAP N:369.251.80' E:741.169.27'</td><td>N-FOUND IRON PIPE W/ BRASS CAP N:374.544.72' E:735.819.04'</td></tr><tr><td>G-FOUND IRON PIPE W/ BRASS CAP N:366.579.65' E:741.183.39'</td><td>O-FOUND IRON PIPE W/ BRASS CAP N:371.901.14' E:738.488.27'</td></tr><tr><td>H-FOUND IRON PIPE W/ BRASS CAP N:364.416.13' E:741.198.04'</td><td>P-FOUND IRON PIPE W/ BRASS CAP N:366.557.63' E:738.529.56'</td></tr></tbody></table>	CORNER COORDINATES NEW MEXICO EAST - NAD 83	CORNER COORDINATES NEW MEXICO EAST - NAD 83	A-FOUND IRON PIPE W/ BRASS CAP N:377.724.61' E:735.795.66'	I-FOUND IRON PIPE W/ BRASS CAP N:364.399.29' E:738.540.93'	B-FOUND IRON PIPE W/ BRASS CAP N:377.246.91' E:738.461.95'	J-FOUND IRON PIPE W/ BRASS CAP N:364.382.47' E:735.885.40'	C-FOUND IRON PIPE W/ BRASS CAP N:377.269.22' E:741.128.24'	K-FOUND IRON PIPE W/ BRASS CAP N:366.535.81' E:735.872.97'	D-FOUND IRON PIPE W/ BRASS CAP N:374.596.59' E:741.140.55'	L-FOUND IRON PIPE W/ BRASS CAP N:369.206.20' E:735.852.74'	E-FOUND IRON PIPE W/ BRASS CAP N:371.924.06' E:741.150.79'	M-FOUND IRON PIPE W/ BRASS CAP N:371.879.35' E:735.833.03'	F-FOUND IRON PIPE W/ BRASS CAP N:369.251.80' E:741.169.27'	N-FOUND IRON PIPE W/ BRASS CAP N:374.544.72' E:735.819.04'	G-FOUND IRON PIPE W/ BRASS CAP N:366.579.65' E:741.183.39'	O-FOUND IRON PIPE W/ BRASS CAP N:371.901.14' E:738.488.27'	H-FOUND IRON PIPE W/ BRASS CAP N:364.416.13' E:741.198.04'	P-FOUND IRON PIPE W/ BRASS CAP N:366.557.63' E:738.529.56'
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¹⁷ OPERATOR CERTIFICATION

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



8/22/2023

Signature _____ Date _____

Danielle D Walkup

Printed Name _____ Date _____

d.d.walkup@conocophillips.com

Email Address _____ Date _____

¹⁸ SURVEYOR CERTIFICATION

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

Date: 7/31/2023



MARK J. MURRAY P.L.S. NO. 12177

Intent ☐ As Drilled ☒

API # 30-025-45723		
Operator Name: CONOCOPHILLIPS COMPANY	Property Name: ZIA HILLS 20 FEDERAL COM	Well Number #114H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	20	26 S	32 E	I	2,305'	SOUTH	762'	EAST	LEA
Latitude 32.027191					Longitude -103.691052				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	20	26 S	32 E	I	1,843'	NORTH	766'	EAST	LEA
Latitude 32.025922					Longitude -103.691069				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
LOT 1	32	26 S	32 E	H	155'	SOUTH	760'	EAST	LEA
Latitude 32.000648					Longitude -103.691054				NAD 83

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



Conoco Phillips

**Lea County, NM (NAD27 NME)
Zia Hills 20 Fed Com Project
Zia Hills 20 Fed Com 114H
300254572300
OH / 70902**

Design: Surveys (Nabors X05)

Standard Survey Report

03 February, 2023





Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Project	Lea County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Zia Hills 20 Fed Com Project		
Site Position:		Northing:	374,269.89 usft
From:	Map	Easting:	699,187.22 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 38.472420 N
		Longitude:	103° 41' 26.152618 W
		Grid Convergence:	0.34 °

Well	Zia Hills 20 Fed Com 114H		
Well Position	+N/-S	0.00 usft	Northing: 374,129.75 usft
	+E/-W	0.00 usft	Easting: 699,187.81 usft
Position Uncertainty	3.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 1' 37.085550 N
		Longitude:	103° 41' 26.155449 W
		Ground Level:	3,140.80 usft

Wellbore	OH / 70902		
Magnetics	Model Name	Sample Date	Declination (°)
	IFR	10/30/2022	6.46
			Dip Angle (°)
			59.53
			Field Strength (nT)
			47,380.00000000

Design	Surveys (Nabors X05)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			179.57

Survey Program	Date	2/3/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	10,905.00	SDI Gyro Surveys - Intermediate (OH / 70902)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp.-Initilzd Cont. rev
11,011.00	21,199.00	Phoenix MWD Surveys (OH / 70902)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction r

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.26	12.92	100.00	0.22	0.05	-0.22	0.26	0.26	0.00	
125.00	0.37	41.25	125.00	0.34	0.12	-0.34	0.75	0.44	113.32	
150.00	0.35	27.82	150.00	0.47	0.21	-0.46	0.35	-0.08	-53.72	
175.00	0.30	23.34	175.00	0.59	0.27	-0.59	0.22	-0.20	-17.92	
200.00	0.27	31.21	200.00	0.70	0.32	-0.70	0.20	-0.12	31.48	
225.00	0.24	37.16	225.00	0.80	0.39	-0.79	0.16	-0.12	23.80	
250.00	0.30	42.57	250.00	0.89	0.46	-0.88	0.26	0.24	21.64	
275.00	0.36	47.97	275.00	0.99	0.56	-0.98	0.27	0.24	21.60	
300.00	0.40	42.70	300.00	1.10	0.68	-1.10	0.21	0.16	-21.08	



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
325.00	0.36	35.23	325.00	1.23	0.79	-1.23	0.25	-0.16	-29.88
350.00	0.27	30.77	350.00	1.35	0.86	-1.34	0.37	-0.36	-17.84
375.00	0.51	77.36	375.00	1.42	1.00	-1.41	1.52	0.96	186.36
400.00	0.58	75.79	399.99	1.48	1.23	-1.47	0.29	0.28	-6.28
425.00	0.80	79.46	424.99	1.54	1.53	-1.53	0.90	0.88	14.68
450.00	0.92	78.98	449.99	1.61	1.89	-1.60	0.48	0.48	-1.92
475.00	1.14	77.39	474.99	1.70	2.33	-1.68	0.89	0.88	-6.36
500.00	1.14	87.05	499.98	1.77	2.83	-1.75	0.77	0.00	38.64
525.00	1.13	89.04	524.98	1.79	3.32	-1.76	0.16	-0.04	7.96
550.00	1.09	106.10	549.97	1.72	3.79	-1.70	1.33	-0.16	68.24
575.00	1.14	114.26	574.97	1.56	4.25	-1.52	0.67	0.20	32.64
600.00	1.08	131.68	599.96	1.30	4.65	-1.26	1.37	-0.24	69.68
625.00	1.11	137.98	624.96	0.96	4.99	-0.92	0.50	0.12	25.20
650.00	1.34	142.62	649.95	0.55	5.33	-0.51	1.00	0.92	18.56
675.00	1.34	140.53	674.94	0.09	5.69	-0.05	0.20	0.00	-8.36
700.00	1.50	140.04	699.94	-0.39	6.09	0.43	0.64	0.64	-1.96
725.00	1.46	137.00	724.93	-0.87	6.52	0.92	0.35	-0.16	-12.16
750.00	1.52	135.81	749.92	-1.34	6.97	1.39	0.27	0.24	-4.76
775.00	1.45	136.78	774.91	-1.81	7.41	1.86	0.30	-0.28	3.88
800.00	1.50	137.80	799.90	-2.28	7.85	2.34	0.23	0.20	4.08
825.00	1.27	146.26	824.90	-2.75	8.22	2.82	1.23	-0.92	33.84
850.00	1.25	153.63	849.89	-3.23	8.50	3.29	0.65	-0.08	29.48
875.00	1.15	160.12	874.88	-3.71	8.70	3.77	0.67	-0.40	25.96
900.00	1.13	161.79	899.88	-4.18	8.87	4.25	0.16	-0.08	6.68
925.00	1.18	161.28	924.87	-4.66	9.03	4.72	0.20	0.20	-2.04
950.00	1.23	162.03	949.87	-5.16	9.19	5.22	0.21	0.20	3.00
975.00	1.27	158.99	974.86	-5.67	9.37	5.74	0.31	0.16	-12.16
1,000.00	1.34	150.02	999.86	-6.18	9.62	6.25	0.86	0.28	-35.88
1,025.00	1.39	144.06	1,024.85	-6.68	9.94	6.75	0.60	0.20	-23.84
1,050.00	1.37	141.79	1,049.84	-7.16	10.31	7.24	0.23	-0.08	-9.08
1,075.00	1.37	141.14	1,074.84	-7.63	10.68	7.71	0.06	0.00	-2.60
1,100.00	1.41	143.39	1,099.83	-8.11	11.05	8.19	0.27	0.16	9.00
1,125.00	1.42	145.78	1,124.82	-8.61	11.41	8.70	0.24	0.04	9.56
1,150.00	1.10	158.48	1,149.81	-9.09	11.67	9.18	1.69	-1.28	50.80
1,175.00	0.92	170.26	1,174.81	-9.51	11.79	9.60	1.10	-0.72	47.12
1,200.00	0.86	181.62	1,199.81	-9.90	11.82	9.99	0.74	-0.24	45.44
1,225.00	0.85	187.51	1,224.80	-10.27	11.79	10.36	0.35	-0.04	23.56
1,250.00	0.88	189.87	1,249.80	-10.64	11.73	10.73	0.19	0.12	9.44
1,275.00	0.94	190.31	1,274.80	-11.03	11.66	11.12	0.24	0.24	1.76
1,300.00	0.97	185.26	1,299.79	-11.44	11.61	11.53	0.36	0.12	-20.20
1,325.00	0.84	184.27	1,324.79	-11.84	11.57	11.92	0.52	-0.52	-3.96
1,350.00	0.85	184.56	1,349.79	-12.21	11.55	12.29	0.04	0.04	1.16
1,375.00	0.80	185.72	1,374.79	-12.56	11.51	12.65	0.21	-0.20	4.64



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,400.00	0.80	185.61	1,399.78	-12.91	11.48	13.00	0.01	0.00	-0.44
1,425.00	0.82	189.04	1,424.78	-13.26	11.43	13.35	0.21	0.08	13.72
1,450.00	0.85	186.00	1,449.78	-13.62	11.39	13.71	0.21	0.12	-12.16
1,475.00	0.87	186.18	1,474.78	-14.00	11.35	14.08	0.08	0.08	0.72
1,500.00	0.55	175.25	1,499.77	-14.30	11.34	14.39	1.38	-1.28	-43.72
1,525.00	0.47	27.58	1,524.77	-14.33	11.39	14.42	3.92	-0.32	-590.68
1,550.00	1.16	16.82	1,549.77	-14.00	11.51	14.09	2.82	2.76	-43.04
1,575.00	1.37	12.00	1,574.76	-13.47	11.65	13.55	0.94	0.84	-19.28
1,600.00	1.50	12.17	1,599.76	-12.85	11.78	12.94	0.52	0.52	0.68
1,625.00	1.67	10.21	1,624.75	-12.17	11.91	12.26	0.71	0.68	-7.84
1,650.00	1.63	8.83	1,649.74	-11.46	12.03	11.55	0.23	-0.16	-5.52
1,675.00	1.76	8.23	1,674.73	-10.73	12.14	10.82	0.52	0.52	-2.40
1,700.00	2.58	7.18	1,699.71	-9.80	12.27	9.89	3.28	3.28	-4.20
1,725.00	2.78	3.63	1,724.68	-8.63	12.38	8.72	1.04	0.80	-14.20
1,750.00	3.00	3.91	1,749.65	-7.37	12.46	7.47	0.88	0.88	1.12
1,775.00	3.05	3.57	1,774.61	-6.06	12.55	6.15	0.21	0.20	-1.36
1,800.00	3.05	2.29	1,799.58	-4.73	12.61	4.82	0.27	0.00	-5.12
1,825.00	3.03	2.47	1,824.54	-3.40	12.67	3.50	0.09	-0.08	0.72
1,850.00	3.02	2.07	1,849.51	-2.09	12.72	2.18	0.09	-0.04	-1.60
1,875.00	3.04	3.31	1,874.47	-0.77	12.78	0.86	0.27	0.08	4.96
1,900.00	3.05	3.19	1,899.44	0.56	12.86	-0.46	0.05	0.04	-0.48
1,925.00	3.04	1.97	1,924.40	1.89	12.92	-1.79	0.26	-0.04	-4.88
1,950.00	3.08	0.67	1,949.37	3.22	12.95	-3.12	0.32	0.16	-5.20
1,975.00	3.09	0.58	1,974.33	4.57	12.96	-4.47	0.04	0.04	-0.36
2,000.00	3.08	358.24	1,999.30	5.91	12.95	-5.81	0.51	-0.04	-9.36
2,025.00	3.03	357.40	2,024.26	7.24	12.90	-7.14	0.27	-0.20	-3.36
2,050.00	3.06	356.84	2,049.22	8.57	12.83	-8.47	0.17	0.12	-2.24
2,075.00	3.01	357.95	2,074.19	9.89	12.77	-9.79	0.31	-0.20	4.44
2,100.00	3.05	358.27	2,099.15	11.21	12.73	-11.12	0.17	0.16	1.28
2,125.00	3.07	359.65	2,124.12	12.55	12.71	-12.45	0.31	0.08	5.52
2,150.00	3.61	3.27	2,149.08	14.00	12.75	-13.90	2.32	2.16	14.48
2,175.00	3.74	4.23	2,174.02	15.60	12.85	-15.50	0.58	0.52	3.84
2,200.00	3.70	4.71	2,198.97	17.22	12.98	-17.12	0.20	-0.16	1.92
2,225.00	3.67	4.87	2,223.92	18.82	13.11	-18.72	0.13	-0.12	0.64
2,250.00	3.73	4.80	2,248.87	20.43	13.25	-20.33	0.24	0.24	-0.28
2,275.00	3.70	4.70	2,273.82	22.04	13.38	-21.94	0.12	-0.12	-0.40
2,300.00	3.65	4.72	2,298.76	23.64	13.51	-23.53	0.20	-0.20	0.08
2,325.00	3.62	3.69	2,323.71	25.22	13.63	-25.11	0.29	-0.12	-4.12
2,350.00	3.57	2.02	2,348.66	26.78	13.71	-26.68	0.46	-0.20	-6.68
2,375.00	3.46	4.33	2,373.62	28.31	13.79	-28.21	0.72	-0.44	9.24
2,400.00	3.40	3.34	2,398.57	29.81	13.89	-29.70	0.34	-0.24	-3.96
2,425.00	2.47	11.86	2,423.54	31.07	14.05	-30.97	4.10	-3.72	34.08
2,450.00	1.98	19.82	2,448.52	32.01	14.30	-31.90	2.31	-1.96	31.84



Survey Report



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Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
2,475.00	1.64	24.96	2,473.51	32.74	14.60	-32.63	1.51	-1.36	20.56	
2,500.00	1.62	24.91	2,498.50	33.38	14.90	-33.27	0.08	-0.08	-0.20	
2,525.00	1.63	23.77	2,523.49	34.03	15.19	-33.91	0.14	0.04	-4.56	
2,550.00	1.51	24.30	2,548.48	34.65	15.47	-34.54	0.48	-0.48	2.12	
2,575.00	1.47	24.07	2,573.47	35.25	15.74	-35.13	0.16	-0.16	-0.92	
2,600.00	1.33	21.22	2,598.46	35.81	15.97	-35.69	0.63	-0.56	-11.40	
2,625.00	1.30	20.48	2,623.46	36.35	16.18	-36.22	0.14	-0.12	-2.96	
2,650.00	1.20	19.87	2,648.45	36.86	16.37	-36.73	0.40	-0.40	-2.44	
2,675.00	1.23	17.22	2,673.45	37.36	16.53	-37.23	0.25	0.12	-10.60	
2,700.00	1.02	16.91	2,698.44	37.83	16.68	-37.70	0.84	-0.84	-1.24	
2,725.00	1.06	13.16	2,723.44	38.27	16.80	-38.14	0.32	0.16	-15.00	
2,750.00	0.95	9.68	2,748.43	38.70	16.88	-38.57	0.50	-0.44	-13.92	
2,775.00	0.92	11.85	2,773.43	39.10	16.96	-38.97	0.19	-0.12	8.68	
2,800.00	0.87	12.06	2,798.43	39.48	17.04	-39.35	0.20	-0.20	0.84	
2,825.00	0.82	13.28	2,823.42	39.84	17.12	-39.71	0.21	-0.20	4.88	
2,850.00	0.82	12.05	2,848.42	40.19	17.20	-40.06	0.07	0.00	-4.92	
2,875.00	0.89	17.78	2,873.42	40.55	17.30	-40.42	0.44	0.28	22.92	
2,900.00	0.92	12.48	2,898.41	40.93	17.40	-40.80	0.36	0.12	-21.20	
2,925.00	0.87	8.47	2,923.41	41.31	17.47	-41.18	0.32	-0.20	-16.04	
2,950.00	0.83	11.99	2,948.41	41.68	17.54	-41.54	0.26	-0.16	14.08	
2,975.00	0.79	14.59	2,973.41	42.02	17.62	-41.89	0.22	-0.16	10.40	
3,000.00	0.81	11.15	2,998.40	42.36	17.69	-42.23	0.21	0.08	-13.76	
3,025.00	0.78	15.17	3,023.40	42.70	17.77	-42.56	0.25	-0.12	16.08	
3,050.00	0.77	14.94	3,048.40	43.03	17.86	-42.89	0.04	-0.04	-0.92	
3,075.00	0.75	20.13	3,073.40	43.34	17.96	-43.21	0.29	-0.08	20.76	
3,100.00	0.75	23.04	3,098.39	43.65	18.08	-43.51	0.15	0.00	11.64	
3,125.00	0.71	26.85	3,123.39	43.93	18.22	-43.80	0.25	-0.16	15.24	
3,150.00	0.74	26.72	3,148.39	44.22	18.36	-44.08	0.12	0.12	-0.52	
3,175.00	0.80	19.68	3,173.39	44.53	18.49	-44.39	0.45	0.24	-28.16	
3,200.00	0.73	40.08	3,198.39	44.81	18.65	-44.67	1.12	-0.28	81.60	
3,225.00	0.74	42.71	3,223.38	45.05	18.86	-44.91	0.14	0.04	10.52	
3,250.00	0.82	42.09	3,248.38	45.30	19.09	-45.16	0.32	0.32	-2.48	
3,275.00	0.75	43.01	3,273.38	45.56	19.32	-45.41	0.28	-0.28	3.68	
3,300.00	0.82	54.39	3,298.38	45.78	19.58	-45.63	0.68	0.28	45.52	
3,325.00	0.83	57.56	3,323.37	45.98	19.88	-45.83	0.19	0.04	12.68	
3,350.00	0.82	56.59	3,348.37	46.18	20.18	-46.02	0.07	-0.04	-3.88	
3,375.00	0.87	60.43	3,373.37	46.37	20.50	-46.21	0.30	0.20	15.36	
3,400.00	0.87	59.42	3,398.37	46.56	20.82	-46.40	0.06	0.00	-4.04	
3,425.00	0.89	59.51	3,423.36	46.75	21.15	-46.59	0.08	0.08	0.36	
3,450.00	0.82	65.70	3,448.36	46.93	21.48	-46.76	0.46	-0.28	24.76	
3,475.00	0.92	54.07	3,473.36	47.12	21.81	-46.95	0.81	0.40	-46.52	
3,500.00	1.01	47.90	3,498.35	47.38	22.14	-47.22	0.55	0.36	-24.68	
3,525.00	0.80	54.79	3,523.35	47.63	22.44	-47.46	0.94	-0.84	27.56	
3,550.00	0.89	54.87	3,548.35	47.84	22.74	-47.67	0.36	0.36	0.32	



Survey Report



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Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,575.00	0.96	59.59	3,573.35	48.06	23.08	-47.89	0.41	0.28	18.88
3,600.00	0.88	57.12	3,598.34	48.27	23.42	-48.09	0.36	-0.32	-9.88
3,625.00	0.85	55.92	3,623.34	48.48	23.74	-48.30	0.14	-0.12	-4.80
3,650.00	0.77	119.89	3,648.34	48.50	24.04	-48.32	3.44	-0.32	255.88
3,675.00	1.16	144.08	3,673.33	48.21	24.33	-48.03	2.22	1.56	96.76
3,700.00	1.51	148.70	3,698.33	47.72	24.65	-47.54	1.46	1.40	18.48
3,725.00	1.65	149.65	3,723.32	47.13	25.01	-46.94	0.57	0.56	3.80
3,750.00	1.98	150.26	3,748.30	46.45	25.40	-46.26	1.32	1.32	2.44
3,775.00	2.07	152.85	3,773.29	45.67	25.82	-45.48	0.51	0.36	10.36
3,800.00	2.09	152.53	3,798.27	44.86	26.24	-44.67	0.09	0.08	-1.28
3,825.00	2.10	151.82	3,823.26	44.06	26.66	-43.85	0.11	0.04	-2.84
3,850.00	2.08	153.94	3,848.24	43.24	27.08	-43.04	0.32	-0.08	8.48
3,875.00	2.08	174.15	3,873.22	42.39	27.33	-42.18	2.92	0.00	80.84
3,900.00	2.16	182.17	3,898.21	41.46	27.35	-41.26	1.23	0.32	32.08
3,915.88	2.20	183.72	3,914.07	40.86	27.32	-40.65	0.46	0.28	9.75
FTP: 3915.88' MD, 3914.07' TVD									
3,925.00	2.23	184.58	3,923.19	40.51	27.30	-40.30	0.46	0.28	9.45
3,950.00	2.28	180.37	3,948.17	39.53	27.26	-39.32	0.69	0.20	-16.84
3,975.00	2.41	182.25	3,973.15	38.50	27.23	-38.30	0.60	0.52	7.52
4,000.00	2.51	182.09	3,998.12	37.43	27.19	-37.23	0.40	0.40	-0.64
4,025.00	2.85	177.38	4,023.10	36.26	27.20	-36.06	1.62	1.36	-18.84
4,050.00	3.07	174.24	4,048.06	34.98	27.30	-34.77	1.09	0.88	-12.56
4,075.00	3.29	171.61	4,073.03	33.60	27.47	-33.39	1.06	0.88	-10.52
4,100.00	3.43	171.72	4,097.98	32.15	27.68	-31.94	0.56	0.56	0.44
4,125.00	3.47	170.08	4,122.94	30.67	27.92	-30.46	0.43	0.16	-6.56
4,150.00	3.50	168.85	4,147.89	29.17	28.20	-28.96	0.32	0.12	-4.92
4,175.00	3.47	168.57	4,172.84	27.68	28.49	-27.47	0.14	-0.12	-1.12
4,200.00	2.06	171.27	4,197.81	26.50	28.71	-26.28	5.66	-5.64	10.80
4,225.00	0.97	175.39	4,222.81	25.84	28.80	-25.62	4.38	-4.36	16.48
4,250.00	0.43	208.30	4,247.80	25.55	28.77	-25.33	2.61	-2.16	131.64
4,275.00	0.36	229.28	4,272.80	25.41	28.66	-25.20	0.64	-0.28	83.92
4,300.00	0.30	229.30	4,297.80	25.32	28.56	-25.10	0.24	-0.24	0.08
4,325.00	0.18	234.48	4,322.80	25.25	28.47	-25.04	0.49	-0.48	20.72
4,350.00	0.18	251.50	4,347.80	25.22	28.41	-25.00	0.21	0.00	68.08
4,375.00	0.27	274.00	4,372.80	25.21	28.31	-25.00	0.50	0.36	90.00
4,400.00	0.31	256.55	4,397.80	25.20	28.18	-24.99	0.39	0.16	-69.80
4,425.00	0.34	260.24	4,422.80	25.17	28.05	-24.96	0.15	0.12	14.76
4,450.00	0.26	260.89	4,447.80	25.15	27.92	-24.94	0.32	-0.32	2.60
4,475.00	0.34	274.33	4,472.80	25.15	27.79	-24.94	0.42	0.32	53.76
4,500.00	0.28	276.68	4,497.80	25.16	27.65	-24.95	0.25	-0.24	9.40
4,525.00	0.25	267.33	4,522.80	25.16	27.54	-24.96	0.21	-0.12	-37.40
4,550.00	0.31	280.35	4,547.80	25.17	27.42	-24.97	0.35	0.24	52.08
4,575.00	0.35	275.95	4,572.80	25.19	27.27	-24.99	0.19	0.16	-17.60



Survey Report



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Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,600.00	0.30	268.95	4,597.80	25.20	27.13	-24.99	0.26	-0.20	-28.00
4,625.00	0.32	266.53	4,622.80	25.19	27.00	-24.99	0.10	0.08	-9.68
4,650.00	0.30	258.27	4,647.80	25.18	26.86	-24.97	0.20	-0.08	-33.04
4,675.00	0.29	273.53	4,672.80	25.17	26.74	-24.97	0.32	-0.04	61.04
4,700.00	0.29	282.44	4,697.80	25.18	26.61	-24.98	0.18	0.00	35.64
4,725.00	0.35	279.96	4,722.80	25.21	26.47	-25.01	0.25	0.24	-9.92
4,750.00	0.41	289.54	4,747.80	25.25	26.31	-25.06	0.35	0.24	38.32
4,775.00	0.40	287.09	4,772.80	25.31	26.15	-25.11	0.08	-0.04	-9.80
4,800.00	0.38	291.37	4,797.80	25.37	25.99	-25.17	0.14	-0.08	17.12
4,825.00	0.38	290.57	4,822.80	25.42	25.83	-25.23	0.02	0.00	-3.20
4,850.00	0.42	300.86	4,847.79	25.50	25.67	-25.31	0.33	0.16	41.16
4,875.00	0.45	302.11	4,872.79	25.60	25.51	-25.41	0.13	0.12	5.00
4,900.00	0.51	301.23	4,897.79	25.71	25.33	-25.52	0.24	0.24	-3.52
4,925.00	0.52	298.97	4,922.79	25.82	25.14	-25.63	0.09	0.04	-9.04
4,950.00	0.51	291.80	4,947.79	25.92	24.94	-25.73	0.26	-0.04	-28.68
4,975.00	0.45	294.16	4,972.79	26.00	24.75	-25.81	0.25	-0.24	9.44
5,000.00	0.41	301.80	4,997.79	26.09	24.58	-25.90	0.28	-0.16	30.56
5,025.00	0.42	307.65	5,022.79	26.19	24.43	-26.01	0.17	0.04	23.40
5,050.00	0.43	303.32	5,047.79	26.30	24.28	-26.12	0.13	0.04	-17.32
5,075.00	0.59	301.03	5,072.79	26.42	24.09	-26.23	0.65	0.64	-9.16
5,100.00	0.59	301.77	5,097.79	26.55	23.87	-26.37	0.03	0.00	2.96
5,125.00	0.56	302.74	5,122.78	26.68	23.66	-26.51	0.13	-0.12	3.88
5,150.00	0.63	299.36	5,147.78	26.82	23.44	-26.64	0.31	0.28	-13.52
5,175.00	0.70	299.12	5,172.78	26.96	23.18	-26.78	0.28	0.28	-0.96
5,200.00	0.71	299.74	5,197.78	27.11	22.92	-26.94	0.05	0.04	2.48
5,225.00	0.72	308.65	5,222.78	27.29	22.66	-27.11	0.45	0.04	35.64
5,250.00	0.76	297.29	5,247.78	27.46	22.39	-27.29	0.61	0.16	-45.44
5,275.00	0.67	300.77	5,272.77	27.61	22.12	-27.44	0.40	-0.36	13.92
5,300.00	0.74	297.72	5,297.77	27.76	21.85	-27.60	0.32	0.28	-12.20
5,325.00	0.76	298.31	5,322.77	27.91	21.56	-27.75	0.09	0.08	2.36
5,350.00	0.65	303.06	5,347.77	28.07	21.29	-27.91	0.50	-0.44	19.00
5,375.00	0.66	305.47	5,372.77	28.23	21.06	-28.07	0.12	0.04	9.64
5,400.00	0.87	300.60	5,397.76	28.41	20.78	-28.25	0.88	0.84	-19.48
5,425.00	0.76	303.11	5,422.76	28.60	20.47	-28.44	0.46	-0.44	10.04
5,450.00	0.74	307.41	5,447.76	28.79	20.21	-28.63	0.24	-0.08	17.20
5,475.00	0.83	307.51	5,472.76	29.00	19.94	-28.84	0.36	0.36	0.40
5,500.00	0.67	308.36	5,497.75	29.20	19.68	-29.05	0.64	-0.64	3.40
5,525.00	0.73	309.22	5,522.75	29.39	19.44	-29.24	0.24	0.24	3.44
5,550.00	0.75	309.63	5,547.75	29.59	19.19	-29.45	0.08	0.08	1.64
5,575.00	0.75	310.44	5,572.75	29.80	18.94	-29.66	0.04	0.00	3.24
5,600.00	0.74	304.24	5,597.75	30.00	18.68	-29.86	0.32	-0.04	-24.80
5,625.00	0.69	301.78	5,622.74	30.17	18.42	-30.03	0.23	-0.20	-9.84
5,650.00	0.75	300.48	5,647.74	30.33	18.15	-30.20	0.25	0.24	-5.20



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,675.00	0.69	301.19	5,672.74	30.49	17.88	-30.36	0.24	-0.24	2.84
5,700.00	0.70	304.07	5,697.74	30.66	17.63	-30.52	0.15	0.04	11.52
5,725.00	0.71	300.78	5,722.74	30.82	17.37	-30.69	0.17	0.04	-13.16
5,750.00	0.68	312.87	5,747.74	31.00	17.12	-30.87	0.60	-0.12	48.36
5,775.00	0.74	310.80	5,772.73	31.21	16.89	-31.08	0.26	0.24	-8.28
5,800.00	0.80	310.62	5,797.73	31.43	16.64	-31.30	0.24	0.24	-0.72
5,825.00	0.73	309.59	5,822.73	31.64	16.38	-31.52	0.29	-0.28	-4.12
5,850.00	0.69	310.51	5,847.73	31.84	16.15	-31.72	0.17	-0.16	3.68
5,875.00	0.70	307.84	5,872.72	32.03	15.91	-31.91	0.14	0.04	-10.68
5,900.00	0.81	308.82	5,897.72	32.24	15.65	-32.12	0.44	0.44	3.92
5,925.00	0.78	307.24	5,922.72	32.45	15.38	-32.34	0.15	-0.12	-6.32
5,950.00	0.81	301.84	5,947.72	32.65	15.09	-32.53	0.32	0.12	-21.60
5,975.00	0.69	297.38	5,972.72	32.81	14.81	-32.70	0.53	-0.48	-17.84
6,000.00	0.64	297.28	5,997.71	32.94	14.55	-32.83	0.20	-0.20	-0.40
6,025.00	0.57	295.61	6,022.71	33.06	14.32	-32.95	0.29	-0.28	-6.68
6,050.00	0.56	295.26	6,047.71	33.17	14.09	-33.06	0.04	-0.04	-1.40
6,075.00	0.65	299.37	6,072.71	33.29	13.86	-33.18	0.40	0.36	16.44
6,100.00	0.69	299.39	6,097.71	33.43	13.61	-33.33	0.16	0.16	0.08
6,125.00	0.62	304.12	6,122.71	33.58	13.36	-33.48	0.35	-0.28	18.92
6,150.00	0.51	304.63	6,147.71	33.72	13.16	-33.62	0.44	-0.44	2.04
6,175.00	0.62	308.27	6,172.70	33.87	12.96	-33.77	0.46	0.44	14.56
6,200.00	0.67	307.22	6,197.70	34.04	12.74	-33.94	0.21	0.20	-4.20
6,225.00	0.66	301.48	6,222.70	34.20	12.50	-34.11	0.27	-0.04	-22.96
6,250.00	0.68	297.71	6,247.70	34.35	12.24	-34.25	0.19	0.08	-15.08
6,275.00	0.69	297.10	6,272.70	34.49	11.98	-34.39	0.05	0.04	-2.44
6,300.00	0.78	290.02	6,297.70	34.61	11.69	-34.52	0.51	0.36	-28.32
6,325.00	0.84	291.42	6,322.69	34.74	11.36	-34.65	0.25	0.24	5.60
6,350.00	0.81	280.65	6,347.69	34.84	11.01	-34.75	0.63	-0.12	-43.08
6,375.00	0.80	283.59	6,372.69	34.91	10.67	-34.83	0.17	-0.04	11.76
6,400.00	0.74	286.17	6,397.69	35.00	10.34	-34.92	0.28	-0.24	10.32
6,425.00	0.78	285.03	6,422.68	35.09	10.02	-35.01	0.17	0.16	-4.56
6,450.00	0.86	283.40	6,447.68	35.17	9.68	-35.10	0.33	0.32	-6.52
6,475.00	0.85	279.85	6,472.68	35.25	9.31	-35.18	0.22	-0.04	-14.20
6,500.00	0.84	280.64	6,497.68	35.31	8.95	-35.25	0.06	-0.04	3.16
6,525.00	0.80	277.68	6,522.67	35.37	8.60	-35.31	0.23	-0.16	-11.84
6,550.00	0.84	275.81	6,547.67	35.41	8.24	-35.35	0.19	0.16	-7.48
6,575.00	0.82	269.96	6,572.67	35.43	7.88	-35.37	0.35	-0.08	-23.40
6,600.00	0.85	266.53	6,597.66	35.42	7.52	-35.36	0.23	0.12	-13.72
6,625.00	0.88	263.44	6,622.66	35.39	7.14	-35.33	0.22	0.12	-12.36
6,650.00	0.87	263.30	6,647.66	35.34	6.76	-35.29	0.04	-0.04	-0.56
6,675.00	0.81	256.75	6,672.66	35.28	6.40	-35.23	0.45	-0.24	-26.20
6,700.00	0.86	257.15	6,697.65	35.20	6.04	-35.15	0.20	0.20	1.60
6,725.00	0.92	256.12	6,722.65	35.11	5.67	-35.06	0.25	0.24	-4.12
6,750.00	0.91	253.59	6,747.65	35.00	5.28	-34.96	0.17	-0.04	-10.12



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,775.00	0.93	247.49	6,772.64	34.87	4.90	-34.83	0.40	0.08	-24.40
6,800.00	0.97	246.16	6,797.64	34.71	4.52	-34.67	0.18	0.16	-5.32
6,825.00	1.00	244.49	6,822.64	34.53	4.13	-34.50	0.17	0.12	-6.68
6,850.00	1.09	242.23	6,847.63	34.32	3.72	-34.29	0.40	0.36	-9.04
6,875.00	1.16	239.96	6,872.63	34.09	3.30	-34.06	0.33	0.28	-9.08
6,900.00	1.12	240.93	6,897.62	33.84	2.86	-33.82	0.18	-0.16	3.88
6,925.00	1.15	239.33	6,922.62	33.59	2.43	-33.57	0.17	0.12	-6.40
6,950.00	1.14	238.19	6,947.61	33.33	2.01	-33.32	0.10	-0.04	-4.56
6,975.00	1.18	244.09	6,972.61	33.09	1.56	-33.08	0.50	0.16	23.60
7,000.00	1.17	241.33	6,997.60	32.86	1.11	-32.85	0.23	-0.04	-11.04
7,025.00	1.23	242.08	7,022.60	32.61	0.65	-32.60	0.25	0.24	3.00
7,050.00	1.28	241.14	7,047.59	32.35	0.17	-32.34	0.22	0.20	-3.76
7,075.00	1.26	238.13	7,072.59	32.07	-0.31	-32.07	0.28	-0.08	-12.04
7,100.00	1.20	238.58	7,097.58	31.79	-0.77	-31.79	0.24	-0.24	1.80
7,125.00	1.27	236.51	7,122.57	31.50	-1.22	-31.50	0.33	0.28	-8.28
7,150.00	1.21	240.47	7,147.57	31.21	-1.68	-31.23	0.42	-0.24	15.84
7,175.00	1.28	236.82	7,172.56	30.93	-2.15	-30.95	0.42	0.28	-14.60
7,200.00	1.35	235.08	7,197.56	30.61	-2.62	-30.63	0.32	0.28	-6.96
7,225.00	1.41	235.32	7,222.55	30.27	-3.12	-30.29	0.24	0.24	0.96
7,250.00	1.40	231.26	7,247.54	29.90	-3.61	-29.93	0.40	-0.04	-16.24
7,275.00	1.39	232.92	7,272.53	29.53	-4.09	-29.56	0.17	-0.04	6.64
7,300.00	1.36	234.57	7,297.53	29.17	-4.57	-29.20	0.20	-0.12	6.60
7,325.00	1.41	237.41	7,322.52	28.83	-5.07	-28.87	0.34	0.20	11.36
7,350.00	1.42	236.61	7,347.51	28.50	-5.59	-28.54	0.09	0.04	-3.20
7,375.00	1.45	232.90	7,372.50	28.14	-6.10	-28.18	0.39	0.12	-14.84
7,400.00	1.47	236.29	7,397.50	27.77	-6.62	-27.82	0.35	0.08	13.56
7,425.00	1.50	235.78	7,422.49	27.40	-7.16	-27.46	0.13	0.12	-2.04
7,450.00	1.50	234.79	7,447.48	27.03	-7.70	-27.09	0.10	0.00	-3.96
7,475.00	1.49	234.74	7,472.47	26.66	-8.23	-26.72	0.04	-0.04	-0.20
7,500.00	1.45	236.31	7,497.46	26.29	-8.76	-26.36	0.23	-0.16	6.28
7,525.00	0.53	238.93	7,522.46	26.06	-9.12	-26.13	3.68	-3.68	10.48
7,550.00	0.15	30.37	7,547.46	26.03	-9.20	-26.09	2.66	-1.52	605.76
7,575.00	0.34	40.78	7,572.46	26.11	-9.14	-26.18	0.78	0.76	41.64
7,600.00	0.46	34.28	7,597.46	26.25	-9.03	-26.32	0.51	0.48	-26.00
7,625.00	0.39	22.79	7,622.46	26.41	-8.94	-26.48	0.44	-0.28	-45.96
7,650.00	0.35	22.94	7,647.46	26.56	-8.88	-26.63	0.16	-0.16	0.60
7,675.00	0.31	31.68	7,672.45	26.69	-8.81	-26.75	0.26	-0.16	34.96
7,700.00	0.34	31.53	7,697.45	26.81	-8.74	-26.87	0.12	0.12	-0.60
7,725.00	0.38	30.23	7,722.45	26.94	-8.66	-27.01	0.16	0.16	-5.20
7,750.00	0.42	25.27	7,747.45	27.10	-8.58	-27.16	0.21	0.16	-19.84
7,775.00	0.51	21.37	7,772.45	27.28	-8.50	-27.35	0.38	0.36	-15.60
7,800.00	0.32	37.89	7,797.45	27.44	-8.42	-27.51	0.89	-0.76	66.08
7,825.00	0.40	16.25	7,822.45	27.58	-8.35	-27.64	0.63	0.32	-86.56



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,850.00	0.28	24.20	7,847.45	27.72	-8.30	-27.78	0.51	-0.48	31.80
7,875.00	0.34	16.57	7,872.45	27.85	-8.25	-27.91	0.29	0.24	-30.52
7,900.00	0.31	32.41	7,897.45	27.98	-8.20	-28.04	0.38	-0.12	63.36
7,925.00	0.31	36.78	7,922.45	28.09	-8.12	-28.15	0.09	0.00	17.48
7,950.00	0.32	30.86	7,947.45	28.20	-8.04	-28.26	0.14	0.04	-23.68
7,975.00	0.28	29.02	7,972.45	28.31	-7.98	-28.37	0.16	-0.16	-7.36
8,000.00	0.20	16.51	7,997.45	28.41	-7.94	-28.47	0.38	-0.32	-50.04
8,025.00	0.17	0.29	8,022.45	28.49	-7.92	-28.55	0.24	-0.12	-64.88
8,050.00	0.10	332.79	8,047.45	28.55	-7.93	-28.60	0.37	-0.28	-110.00
8,075.00	0.07	306.49	8,072.45	28.57	-7.95	-28.63	0.19	-0.12	-105.20
8,100.00	0.06	344.73	8,097.45	28.60	-7.97	-28.65	0.17	-0.04	152.96
8,125.00	0.12	305.68	8,122.45	28.62	-8.00	-28.68	0.33	0.24	-156.20
8,150.00	0.05	308.76	8,147.45	28.65	-8.02	-28.71	0.28	-0.28	12.32
8,175.00	0.22	287.95	8,172.45	28.67	-8.08	-28.73	0.70	0.68	-83.24
8,200.00	0.18	264.95	8,197.45	28.68	-8.16	-28.74	0.36	-0.16	-92.00
8,225.00	0.26	252.75	8,222.45	28.66	-8.26	-28.72	0.37	0.32	-48.80
8,250.00	0.27	248.47	8,247.45	28.62	-8.37	-28.68	0.09	0.04	-17.12
8,275.00	0.32	254.26	8,272.45	28.58	-8.49	-28.64	0.23	0.20	23.16
8,300.00	0.45	254.32	8,297.45	28.53	-8.65	-28.60	0.52	0.52	0.24
8,325.00	0.53	250.73	8,322.45	28.47	-8.85	-28.53	0.34	0.32	-14.36
8,350.00	0.51	245.61	8,347.45	28.39	-9.06	-28.45	0.20	-0.08	-20.48
8,375.00	0.56	247.70	8,372.44	28.29	-9.28	-28.36	0.21	0.20	8.36
8,400.00	0.55	249.71	8,397.44	28.20	-9.50	-28.28	0.09	-0.04	8.04
8,425.00	0.58	252.01	8,422.44	28.12	-9.74	-28.20	0.15	0.12	9.20
8,450.00	0.74	247.94	8,447.44	28.02	-10.01	-28.10	0.67	0.64	-16.28
8,475.00	0.73	255.04	8,472.44	27.92	-10.31	-28.00	0.37	-0.04	28.40
8,500.00	0.84	254.40	8,497.44	27.83	-10.64	-27.91	0.44	0.44	-2.56
8,525.00	0.83	249.98	8,522.43	27.72	-10.99	-27.80	0.26	-0.04	-17.68
8,550.00	0.94	253.65	8,547.43	27.60	-11.35	-27.69	0.49	0.44	14.68
8,575.00	1.00	258.90	8,572.43	27.50	-11.77	-27.59	0.43	0.24	21.00
8,600.00	1.10	264.12	8,597.42	27.44	-12.22	-27.53	0.55	0.40	20.88
8,625.00	1.11	260.97	8,622.42	27.37	-12.70	-27.47	0.25	0.04	-12.60
8,650.00	1.04	264.28	8,647.41	27.31	-13.16	-27.41	0.37	-0.28	13.24
8,675.00	1.13	266.80	8,672.41	27.28	-13.63	-27.38	0.41	0.36	10.08
8,700.00	0.71	287.54	8,697.41	27.31	-14.03	-27.41	2.12	-1.68	82.96
8,725.00	0.93	41.39	8,722.40	27.51	-14.04	-27.61	5.52	0.88	455.40
8,750.00	1.20	50.63	8,747.40	27.83	-13.70	-27.93	1.28	1.08	36.96
8,775.00	1.21	52.56	8,772.39	28.15	-13.29	-28.25	0.17	0.04	7.72
8,800.00	1.13	44.79	8,797.39	28.49	-12.91	-28.58	0.71	-0.32	-31.08
8,825.00	1.12	44.83	8,822.38	28.84	-12.56	-28.93	0.04	-0.04	0.16
8,850.00	0.94	35.51	8,847.38	29.18	-12.27	-29.27	0.98	-0.72	-37.28
8,875.00	0.75	29.57	8,872.38	29.49	-12.07	-29.57	0.84	-0.76	-23.76
8,900.00	0.54	11.93	8,897.38	29.74	-11.97	-29.83	1.15	-0.84	-70.56



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,925.00	0.60	351.51	8,922.37	29.99	-11.96	-30.08	0.84	0.24	-81.68	
8,950.00	0.83	326.88	8,947.37	30.27	-12.08	-30.36	1.52	0.92	-98.52	
8,975.00	0.87	320.75	8,972.37	30.57	-12.30	-30.66	0.40	0.16	-24.52	
9,000.00	0.91	321.94	8,997.37	30.87	-12.54	-30.96	0.18	0.16	4.76	
9,025.00	0.85	320.15	9,022.36	31.17	-12.78	-31.26	0.26	-0.24	-7.16	
9,050.00	0.90	324.39	9,047.36	31.47	-13.01	-31.57	0.33	0.20	16.96	
9,075.00	0.95	323.46	9,072.36	31.80	-13.25	-31.90	0.21	0.20	-3.72	
9,100.00	0.88	318.28	9,097.35	32.11	-13.50	-32.21	0.43	-0.28	-20.72	
9,125.00	0.90	326.20	9,122.35	32.41	-13.74	-32.52	0.50	0.08	31.68	
9,150.00	0.95	326.54	9,147.35	32.75	-13.96	-32.85	0.20	0.20	1.36	
9,175.00	0.85	358.85	9,172.35	33.11	-14.08	-33.21	2.04	-0.40	129.24	
9,200.00	0.93	11.89	9,197.34	33.49	-14.04	-33.60	0.87	0.32	52.16	
9,225.00	0.88	15.13	9,222.34	33.88	-13.95	-33.98	0.29	-0.20	12.96	
9,250.00	0.87	11.15	9,247.34	34.25	-13.87	-34.35	0.25	-0.04	-15.92	
9,275.00	0.66	8.28	9,272.33	34.58	-13.81	-34.68	0.85	-0.84	-11.48	
9,300.00	0.44	358.23	9,297.33	34.81	-13.79	-34.92	0.96	-0.88	-40.20	
9,325.00	0.21	7.09	9,322.33	34.96	-13.79	-35.06	0.94	-0.92	35.44	
9,350.00	0.22	339.78	9,347.33	35.05	-13.80	-35.15	0.41	0.04	-109.24	
9,375.00	0.16	346.25	9,372.33	35.13	-13.82	-35.23	0.25	-0.24	25.88	
9,400.00	0.18	333.85	9,397.33	35.19	-13.85	-35.30	0.17	0.08	-49.60	
9,425.00	0.27	28.68	9,422.33	35.28	-13.84	-35.38	0.89	0.36	219.32	
9,450.00	1.56	67.00	9,447.33	35.47	-13.50	-35.57	5.43	5.16	153.28	
9,475.00	2.22	71.80	9,472.31	35.75	-12.72	-35.84	2.71	2.64	19.20	
9,500.00	2.40	71.04	9,497.29	36.07	-11.77	-36.16	0.73	0.72	-3.04	
9,525.00	2.33	70.72	9,522.27	36.41	-10.79	-36.49	0.28	-0.28	-1.28	
9,550.00	2.46	71.12	9,547.25	36.75	-9.81	-36.82	0.52	0.52	1.60	
9,575.00	2.48	72.89	9,572.23	37.08	-8.78	-37.15	0.32	0.08	7.08	
9,600.00	2.44	71.86	9,597.21	37.41	-7.76	-37.47	0.24	-0.16	-4.12	
9,625.00	2.36	73.98	9,622.18	37.72	-6.76	-37.77	0.48	-0.32	8.48	
9,650.00	2.29	76.50	9,647.16	37.97	-5.78	-38.02	0.50	-0.28	10.08	
9,675.00	2.03	81.04	9,672.14	38.16	-4.86	-38.20	1.24	-1.04	18.16	
9,700.00	1.95	82.40	9,697.13	38.29	-4.00	-38.31	0.37	-0.32	5.44	
9,725.00	1.84	84.96	9,722.12	38.38	-3.17	-38.40	0.56	-0.44	10.24	
9,750.00	1.80	85.03	9,747.10	38.45	-2.38	-38.46	0.16	-0.16	0.28	
9,775.00	1.71	88.37	9,772.09	38.49	-1.62	-38.50	0.54	-0.36	13.36	
9,800.00	1.69	88.21	9,797.08	38.51	-0.88	-38.52	0.08	-0.08	-0.64	
9,825.00	1.71	87.67	9,822.07	38.54	-0.14	-38.54	0.10	0.08	-2.16	
9,850.00	1.65	88.11	9,847.06	38.57	0.60	-38.56	0.25	-0.24	1.76	
9,875.00	1.67	87.65	9,872.05	38.59	1.32	-38.58	0.10	0.08	-1.84	
9,900.00	1.64	94.26	9,897.04	38.58	2.04	-38.57	0.77	-0.12	26.44	
9,925.00	1.67	96.00	9,922.03	38.52	2.76	-38.50	0.23	0.12	6.96	
9,950.00	1.55	104.51	9,947.02	38.39	3.45	-38.37	1.07	-0.48	34.04	
9,975.00	1.49	108.14	9,972.01	38.21	4.08	-38.18	0.45	-0.24	14.52	
10,000.00	1.20	114.04	9,997.00	38.00	4.63	-37.96	1.28	-1.16	23.60	



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,025.00	0.92	111.15	10,022.00	37.82	5.06	-37.78	1.14	-1.12	-11.56	
10,050.00	0.73	114.83	10,047.00	37.68	5.39	-37.64	0.79	-0.76	14.72	
10,075.00	0.58	122.25	10,071.99	37.55	5.64	-37.50	0.69	-0.60	29.68	
10,100.00	0.39	133.84	10,096.99	37.42	5.81	-37.38	0.85	-0.76	46.36	
10,125.00	0.33	146.52	10,121.99	37.30	5.91	-37.26	0.40	-0.24	50.72	
10,150.00	0.30	155.82	10,146.99	37.18	5.98	-37.14	0.24	-0.12	37.20	
10,175.00	0.32	156.23	10,171.99	37.06	6.03	-37.01	0.08	0.08	1.64	
10,200.00	0.29	157.29	10,196.99	36.94	6.09	-36.89	0.12	-0.12	4.24	
10,225.00	0.21	114.60	10,221.99	36.86	6.15	-36.81	0.79	-0.32	-170.76	
10,250.00	0.28	111.06	10,246.99	36.82	6.25	-36.77	0.29	0.28	-14.16	
10,275.00	0.25	105.33	10,271.99	36.78	6.36	-36.73	0.16	-0.12	-22.92	
10,300.00	0.23	112.45	10,296.99	36.75	6.46	-36.70	0.14	-0.08	28.48	
10,325.00	0.24	107.44	10,321.99	36.71	6.56	-36.66	0.09	0.04	-20.04	
10,350.00	0.19	98.29	10,346.99	36.69	6.65	-36.64	0.24	-0.20	-36.60	
10,375.00	0.05	72.97	10,371.99	36.69	6.70	-36.64	0.59	-0.56	-101.28	
10,400.00	0.44	10.58	10,396.99	36.79	6.73	-36.74	1.68	1.56	-249.56	
10,425.00	0.62	326.20	10,421.99	36.99	6.67	-36.94	1.73	0.72	-177.52	
10,450.00	0.38	322.60	10,446.99	37.17	6.54	-37.12	0.97	-0.96	-14.40	
10,475.00	0.42	322.27	10,471.99	37.31	6.44	-37.26	0.16	0.16	-1.32	
10,500.00	0.35	322.06	10,496.99	37.44	6.33	-37.39	0.28	-0.28	-0.84	
10,525.00	0.31	322.20	10,521.99	37.56	6.24	-37.51	0.16	-0.16	0.56	
10,550.00	0.19	340.54	10,546.99	37.65	6.19	-37.60	0.57	-0.48	73.36	
10,575.00	0.09	50.14	10,571.99	37.70	6.19	-37.65	0.72	-0.40	278.40	
10,600.00	0.08	94.25	10,596.99	37.71	6.22	-37.66	0.26	-0.04	176.44	
10,625.00	0.11	99.91	10,621.99	37.71	6.26	-37.66	0.13	0.12	22.64	
10,650.00	0.16	107.79	10,646.99	37.69	6.32	-37.64	0.21	0.20	31.52	
10,675.00	0.19	125.75	10,671.99	37.66	6.39	-37.61	0.25	0.12	71.84	
10,700.00	0.21	149.96	10,696.99	37.59	6.44	-37.54	0.34	0.08	96.84	
10,725.00	0.34	162.61	10,721.98	37.48	6.49	-37.43	0.57	0.52	50.60	
10,750.00	0.39	181.08	10,746.98	37.33	6.51	-37.28	0.51	0.20	73.88	
10,775.00	0.37	149.55	10,771.98	37.17	6.55	-37.12	0.83	-0.08	-126.12	
10,800.00	0.34	159.56	10,796.98	37.03	6.62	-36.98	0.28	-0.12	40.04	
10,825.00	0.37	170.25	10,821.98	36.88	6.66	-36.83	0.29	0.12	42.76	
10,850.00	0.48	161.16	10,846.98	36.71	6.70	-36.65	0.51	0.44	-36.36	
10,875.00	0.34	174.12	10,871.98	36.53	6.74	-36.48	0.67	-0.56	51.84	
10,900.00	0.34	203.76	10,896.98	36.39	6.72	-36.34	0.70	0.00	118.56	
10,905.00	0.35	209.35	10,901.98	36.36	6.71	-36.31	0.70	0.20	111.80	
Tie In										
10,920.00	0.32	215.29	10,916.98	36.29	6.66	-36.24	0.29	-0.18	39.63	
First Phoenix MWD Survey										
11,011.00	0.28	267.05	11,007.98	36.07	6.29	-36.02	0.29	-0.05	56.87	
11,029.00	0.27	273.37	11,025.98	36.07	6.21	-36.02	0.18	-0.06	35.11	
11,127.00	0.45	275.34	11,123.98	36.12	5.59	-36.07	0.18	0.18	2.01	



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
11,172.00	2.17	185.85	11,168.97	35.29	5.33	-35.25	4.92	3.82	-198.87	
11,217.00	8.04	182.37	11,213.77	31.29	5.11	-31.25	13.06	13.04	-7.73	
11,263.00	15.75	182.53	11,258.75	21.83	4.70	-21.79	16.76	16.76	0.35	
11,308.00	21.65	181.30	11,301.35	7.41	4.24	-7.38	13.14	13.11	-2.73	
11,353.00	28.22	181.29	11,342.14	-11.54	3.82	11.57	14.60	14.60	-0.02	
11,398.00	30.41	179.27	11,381.37	-33.57	3.72	33.60	5.34	4.87	-4.49	
11,444.00	35.08	180.38	11,420.05	-58.45	3.78	58.47	10.24	10.15	2.41	
11,489.00	36.42	179.80	11,456.57	-84.74	3.74	84.76	3.07	2.98	-1.29	
11,534.00	42.30	178.65	11,491.35	-113.26	4.15	113.29	13.17	13.07	-2.56	
11,579.00	47.11	177.45	11,523.32	-144.88	5.24	144.92	10.85	10.69	-2.67	
11,624.00	53.48	178.45	11,552.06	-179.46	6.46	179.51	14.26	14.16	2.22	
11,669.00	54.96	179.00	11,578.37	-215.96	7.27	216.01	3.44	3.29	1.22	
11,714.00	60.92	180.69	11,602.24	-254.08	7.36	254.13	13.62	13.24	3.76	
11,760.00	61.99	180.85	11,624.22	-294.48	6.81	294.53	2.35	2.33	0.35	
11,805.00	66.92	181.88	11,643.62	-335.06	5.84	335.09	11.15	10.96	2.29	
11,851.00	66.98	181.91	11,661.63	-377.36	4.44	377.39	0.14	0.13	0.07	
11,896.00	72.15	181.98	11,677.34	-419.49	3.01	419.50	11.49	11.49	0.16	
11,941.00	74.13	181.15	11,690.39	-462.54	1.83	462.54	4.74	4.40	-1.84	
11,986.00	80.23	179.80	11,700.37	-506.39	1.48	506.39	13.87	13.56	-3.00	
12,032.00	81.94	179.21	11,707.50	-551.84	1.87	551.83	3.93	3.72	-1.28	
12,077.00	84.15	177.97	11,712.95	-596.49	2.97	596.49	5.62	4.91	-2.76	
12,122.00	91.73	175.78	11,714.57	-641.36	5.42	641.38	17.53	16.84	-4.87	
12,212.00	88.65	177.88	11,714.27	-731.20	10.40	731.26	4.14	-3.42	2.33	
12,303.00	88.38	177.15	11,716.63	-822.08	14.34	822.17	0.86	-0.30	-0.80	
12,393.00	88.27	177.09	11,719.26	-911.93	18.86	912.05	0.14	-0.12	-0.07	
12,483.00	88.36	177.33	11,721.90	-1,001.79	23.24	1,001.93	0.28	0.10	0.27	
12,574.00	87.96	177.56	11,724.82	-1,092.65	27.30	1,092.82	0.51	-0.44	0.25	
12,664.00	87.50	177.12	11,728.39	-1,182.48	31.47	1,182.68	0.71	-0.51	-0.49	
12,754.00	88.22	177.39	11,731.75	-1,272.31	35.78	1,272.55	0.85	0.80	0.30	
12,844.00	88.44	177.51	11,734.37	-1,362.19	39.78	1,362.45	0.28	0.24	0.13	
12,935.00	89.42	176.44	11,736.07	-1,453.04	44.58	1,453.34	1.59	1.08	-1.18	
13,025.00	90.50	178.13	11,736.14	-1,542.94	48.84	1,543.26	2.23	1.20	1.88	
13,116.00	90.84	178.70	11,735.07	-1,633.90	51.36	1,634.23	0.73	0.37	0.63	
13,206.00	91.26	179.51	11,733.42	-1,723.87	52.76	1,724.22	1.01	0.47	0.90	
13,297.00	91.15	179.79	11,731.51	-1,814.85	53.32	1,815.20	0.33	-0.12	0.31	
13,387.00	91.69	182.15	11,729.28	-1,904.80	51.80	1,905.13	2.69	0.60	2.62	
13,478.00	87.59	181.66	11,729.85	-1,995.73	48.77	1,996.04	4.54	-4.51	-0.54	
13,568.00	87.68	181.95	11,733.56	-2,085.61	45.94	2,085.89	0.34	0.10	0.32	
13,659.00	87.50	182.00	11,737.39	-2,176.47	42.81	2,176.73	0.21	-0.20	0.05	
13,749.00	89.51	181.11	11,739.74	-2,266.40	40.37	2,266.64	2.44	2.23	-0.99	
13,839.00	90.08	180.92	11,740.06	-2,356.39	38.77	2,356.61	0.67	0.63	-0.21	
13,930.00	89.38	181.02	11,740.49	-2,447.37	37.23	2,447.58	0.78	-0.77	0.11	
14,020.00	89.85	181.30	11,741.09	-2,537.35	35.41	2,537.55	0.61	0.52	0.31	
14,111.00	89.56	181.44	11,741.56	-2,628.32	33.23	2,628.50	0.35	-0.32	0.15	



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,201.00	88.96	181.47	11,742.72	-2,718.29	30.95	2,718.44	0.67	-0.67	0.03
14,292.00	88.33	181.16	11,744.88	-2,809.24	28.86	2,809.37	0.77	-0.69	-0.34
14,383.00	89.93	181.05	11,746.26	-2,900.21	27.11	2,900.33	1.76	1.76	-0.12
14,473.00	90.22	181.58	11,746.14	-2,990.18	25.04	2,990.29	0.67	0.32	0.59
14,565.00	88.67	180.39	11,747.03	-3,082.16	23.46	3,082.25	2.12	-1.68	-1.29
14,655.00	90.78	180.84	11,747.46	-3,172.15	22.49	3,172.23	2.40	2.34	0.50
14,745.00	90.87	181.20	11,746.17	-3,262.13	20.89	3,262.19	0.41	0.10	0.40
14,836.00	90.12	180.24	11,745.38	-3,353.11	19.75	3,353.17	1.34	-0.82	-1.05
14,926.00	90.07	179.62	11,745.23	-3,443.11	19.86	3,443.16	0.69	-0.06	-0.69
15,016.00	90.05	179.56	11,745.14	-3,533.11	20.50	3,533.16	0.07	-0.02	-0.07
15,107.00	89.67	179.36	11,745.36	-3,624.11	21.36	3,624.16	0.47	-0.42	-0.22
15,198.00	89.45	178.93	11,746.06	-3,715.09	22.72	3,715.16	0.53	-0.24	-0.47
15,289.00	91.29	178.22	11,745.47	-3,806.06	24.98	3,806.14	2.17	2.02	-0.78
15,379.00	91.52	178.35	11,743.26	-3,895.99	27.67	3,896.09	0.29	0.26	0.14
15,469.00	91.46	178.31	11,740.92	-3,985.92	30.30	3,986.04	0.08	-0.07	-0.04
15,559.00	91.16	178.13	11,738.87	-4,075.85	33.09	4,075.99	0.39	-0.33	-0.20
15,650.00	91.47	178.04	11,736.78	-4,166.78	36.13	4,166.93	0.35	0.34	-0.10
15,740.00	91.38	178.01	11,734.54	-4,256.70	39.23	4,256.87	0.11	-0.10	-0.03
15,830.00	90.41	176.86	11,733.13	-4,346.59	43.26	4,346.80	1.67	-1.08	-1.28
15,921.00	90.41	177.86	11,732.48	-4,437.49	47.45	4,437.73	1.10	0.00	1.10
16,011.00	89.98	179.05	11,732.18	-4,527.46	49.88	4,527.71	1.41	-0.48	1.32
16,102.00	88.34	178.34	11,733.51	-4,618.42	51.95	4,618.68	1.96	-1.80	-0.78
16,193.00	88.76	179.28	11,735.81	-4,709.37	53.84	4,709.64	1.13	0.46	1.03
16,284.00	88.16	178.28	11,738.26	-4,800.32	55.77	4,800.60	1.28	-0.66	-1.10
16,374.00	88.19	178.28	11,741.13	-4,890.23	58.47	4,890.53	0.03	0.03	0.00
16,464.00	88.56	178.44	11,743.68	-4,980.16	61.05	4,980.48	0.45	0.41	0.18
16,555.00	90.01	179.08	11,744.81	-5,071.13	63.02	5,071.46	1.74	1.59	0.70
16,645.00	89.76	179.35	11,744.99	-5,161.12	64.25	5,161.45	0.41	-0.28	0.30
16,736.00	88.65	178.00	11,746.26	-5,252.08	66.35	5,252.43	1.92	-1.22	-1.48
16,826.00	89.67	179.00	11,747.58	-5,342.04	68.71	5,342.40	1.59	1.13	1.11
16,917.00	89.18	178.38	11,748.49	-5,433.01	70.79	5,433.39	0.87	-0.54	-0.68
17,007.00	89.19	178.61	11,749.77	-5,522.97	73.15	5,523.36	0.26	0.01	0.26
17,097.00	89.59	178.91	11,750.73	-5,612.94	75.10	5,613.35	0.56	0.44	0.33
17,188.00	89.68	178.89	11,751.31	-5,703.92	76.85	5,704.34	0.10	0.10	-0.02
17,278.00	90.10	178.88	11,751.48	-5,793.91	78.60	5,794.33	0.47	0.47	-0.01
17,369.00	89.99	178.92	11,751.41	-5,884.89	80.35	5,885.33	0.13	-0.12	0.04
17,460.00	89.41	180.57	11,751.88	-5,975.88	80.75	5,976.32	1.92	-0.64	1.81
17,550.00	89.67	180.93	11,752.61	-6,065.87	79.57	6,066.30	0.49	0.29	0.40
17,641.00	89.87	181.63	11,752.97	-6,156.85	77.54	6,157.26	0.80	0.22	0.77
17,731.00	88.81	180.79	11,754.01	-6,246.82	75.64	6,247.21	1.50	-1.18	-0.93
17,822.00	91.64	180.55	11,753.65	-6,337.80	74.58	6,338.19	3.12	3.11	-0.26
17,912.00	91.79	180.88	11,750.96	-6,427.76	73.45	6,428.13	0.40	0.17	0.37
18,002.00	88.81	178.18	11,750.49	-6,517.73	74.19	6,518.11	4.47	-3.31	-3.00



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
18,093.00	88.31	177.64	11,752.77	-6,608.64	77.51	6,609.04	0.81	-0.55	-0.59	
18,183.00	90.59	180.01	11,753.64	-6,698.61	79.35	6,699.02	3.65	2.53	2.63	
18,273.00	91.04	181.06	11,752.36	-6,788.59	78.51	6,788.99	1.27	0.50	1.17	
18,364.00	88.73	176.17	11,752.54	-6,879.53	80.71	6,879.95	5.94	-2.54	-5.37	
18,455.00	89.64	177.99	11,753.84	-6,970.40	85.35	6,970.85	2.24	1.00	2.00	
18,545.00	90.29	180.15	11,753.89	-7,060.38	86.81	7,060.84	2.51	0.72	2.40	
18,636.00	92.15	181.63	11,751.95	-7,151.35	85.40	7,151.79	2.61	2.04	1.63	
18,726.00	90.89	179.94	11,749.57	-7,241.30	84.16	7,241.73	2.34	-1.40	-1.88	
18,817.00	90.30	180.54	11,748.62	-7,332.29	83.78	7,332.72	0.92	-0.65	0.66	
18,907.00	90.56	183.67	11,747.94	-7,422.22	80.48	7,422.62	3.49	0.29	3.48	
18,998.00	89.50	184.01	11,747.90	-7,513.01	74.38	7,513.36	1.22	-1.16	0.37	
19,088.00	90.13	187.65	11,748.19	-7,602.53	65.24	7,602.81	4.10	0.70	4.04	
19,179.00	89.76	188.22	11,748.27	-7,692.66	52.68	7,692.84	0.75	-0.41	0.63	
19,269.00	89.24	188.36	11,749.06	-7,781.72	39.70	7,781.80	0.60	-0.58	0.16	
19,360.00	90.30	185.63	11,749.43	-7,872.03	28.62	7,872.02	3.22	1.16	-3.00	
19,451.00	88.96	179.36	11,750.01	-7,962.89	24.66	7,962.85	7.05	-1.47	-6.89	
19,541.00	89.22	176.22	11,751.44	-8,052.80	28.13	8,052.79	3.50	0.29	-3.49	
19,632.00	89.38	177.46	11,752.56	-8,143.66	33.15	8,143.68	1.37	0.18	1.36	
19,722.00	88.51	177.20	11,754.21	-8,233.54	37.34	8,233.59	1.01	-0.97	-0.29	
19,813.00	88.73	177.06	11,756.40	-8,324.40	41.90	8,324.48	0.29	0.24	-0.15	
19,903.00	88.24	176.91	11,758.78	-8,414.25	46.63	8,414.36	0.57	-0.54	-0.17	
19,994.00	87.85	176.72	11,761.89	-8,505.05	51.68	8,505.20	0.48	-0.43	-0.21	
20,084.00	87.70	176.45	11,765.38	-8,594.82	57.04	8,595.01	0.34	-0.17	-0.30	
20,175.00	88.96	177.24	11,768.03	-8,685.65	62.04	8,685.87	1.63	1.38	0.87	
20,265.00	88.71	176.80	11,769.86	-8,775.51	66.72	8,775.76	0.56	-0.28	-0.49	
20,355.00	90.49	179.55	11,770.49	-8,865.45	69.59	8,865.72	3.64	1.98	3.06	
20,446.00	90.93	179.99	11,769.36	-8,956.44	69.95	8,956.71	0.68	0.48	0.48	
20,536.00	88.88	181.68	11,769.51	-9,046.42	68.64	9,046.68	2.95	-2.28	1.88	
20,627.00	89.41	181.18	11,770.87	-9,137.38	66.37	9,137.62	0.80	0.58	-0.55	
20,717.00	89.56	181.08	11,771.68	-9,227.36	64.60	9,227.58	0.20	0.17	-0.11	
20,808.00	89.56	180.37	11,772.38	-9,318.35	63.44	9,318.56	0.78	0.00	-0.78	
20,898.00	89.58	180.25	11,773.06	-9,408.34	62.96	9,408.55	0.14	0.02	-0.13	
20,989.00	89.70	180.35	11,773.63	-9,499.34	62.48	9,499.54	0.17	0.13	0.11	
21,079.00	89.58	180.25	11,774.19	-9,589.34	62.01	9,589.53	0.17	-0.13	-0.11	
21,142.00	89.38	179.94	11,774.76	-9,652.34	61.91	9,652.53	0.59	-0.32	-0.49	
Final Phoenix MWD Survey										
21,165.22	89.38	179.94	11,775.02	-9,675.55	61.93	9,675.75	0.00	0.00	0.00	
LTP: 21165.22' MD, 11775.01' TVD										
21,199.00	89.38	179.94	11,775.38	-9,709.33	61.97	9,709.52	0.00	0.00	0.00	
Projection to TD										



Survey Report



Company:	Conoco Phillips	Local Co-ordinate Reference:	Well Zia Hills 20 Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Site:	Zia Hills 20 Fed Com Project	MD Reference:	RKB 3 @ 3172.80usft (Nabors X05)
Well:	Zia Hills 20 Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 70902	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors X05)	Database:	USA Compass

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LTP - Zia Hills 20 Fed - actual wellpath misses target center by 52.00usft at 21164.41usft MD (11775.01 TVD, -9674.75 N, 61.93 E) - Point	0.00	0.00	11,724.00	-9,675.29	72.01	364,454.46	699,259.82	32° 0' 1.333759 N	103° 41' 25.987413 W
BHL - Zia Hills 20 Fed - actual wellpath misses target center by 54.79usft at 21199.00usft MD (11775.38 TVD, -9709.33 N, 61.97 E) - Rectangle (sides W100.00 H9,815.00 D20.00)	0.00	359.68	11,724.00	-9,725.28	72.35	364,404.47	699,260.16	32° 0' 0.839032 N	103° 41' 25.986916 W
FTP - Zia Hills 20 Fed - actual wellpath misses target center by 273.60usft at 11579.00usft MD (11523.32 TVD, -144.88 N, 5.24 E) - Circle (radius 50.00)	0.00	0.00	11,724.00	40.71	17.00	374,170.46	699,204.81	32° 1' 37.487419 N	103° 41' 25.955167 W

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,915.88	3,914.07	40.86	27.32	FTP: 3915.88' MD, 3914.07' TVD
10,905.00	10,901.98	36.36	6.71	Tie In
10,920.00	10,916.98	36.29	6.66	First Phoenix MWD Survey
21,142.00	11,774.76	-9,652.34	61.91	Final Phoenix MWD Survey
21,165.22	11,775.02	-9,675.55	61.93	LTP: 21165.22' MD, 11775.01' TVD
21,199.00	11,775.38	-9,709.33	61.97	Projection to TD

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

10/02/2023

Well Name: ZIA HILLS 20 FEDERAL
COM

Well Location: T26S / R32E / SEC 20 /
NESE / 32.027094 / -103.691069

County or Parish/State: LEA /
NM

Well Number: 114H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC068281B

Unit or CA Name:

Unit or CA Number:
NMNM138329X

US Well Number: 3002545723

Well Status: Drilling Well

Operator: CONOCOPHILLIPS
COMPANY

Subsequent Report

Sundry ID: 2751190

Type of Submission: Subsequent Report

Type of Action: Hydraulic Fracturing

Date Sundry Submitted: 09/14/2023

Time Sundry Submitted: 08:40

Date Operation Actually Began: 05/17/2023

Actual Procedure: 5/17/2023 Test 9 5/8" x 5 1/2" annulus to 1500#, 5/19/2023 Set CBD @ 21,119' and test csg to 11,686psi. Good Test. 6/19/2023 – 7/6/2023 Perf 11,903 – 21,110' (1136 shots, .38). Acidize w/ 7.5% HCl. 23,027,520# proppant in 436,341BBLS clean fluid. 7/21/2023 – 7/22/2023 Drilled out CPFs. Clean down to PBTD @ 21,143.9'. 7/23/2023 – Gas Lift installed 8/14/2023 - Set 2 7/8 6.5# L-80tbg @ 11,494.

Well Name: ZIA HILLS 20 FEDERAL
COM

Well Location: T26S / R32E / SEC 20 /
NESE / 32.027094 / -103.691069

County or Parish/State: LEA /
NM

Well Number: 114H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC068281B

Unit or CA Name:

Unit or CA Number:
NMNM138329X

US Well Number: 3002545723

Well Status: Drilling Well

Operator: CONOCOPHILLIPS
COMPANY

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: DANIELLE WALKUP

Signed on: SEP 14, 2023 08:40 AM

Name: CONOCOPHILLIPS COMPANY

Title: Regulatory Technician

Street Address: 600 W. ILLINOIS

City: MIDLAND

State: TX

Phone: (432) 253-9685

Email address: D.D.WALKUP@CONOCOPHILLIPS.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345972

BLM POC Email Address: jshepard@blm.gov

Disposition: Accepted

Disposition Date: 09/29/2023

Signature: Jonathon Shepard

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-025-45723		
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)								2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN		
								3. State Oil & Gas Lease No.		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER								5. Lease Name or Unit Agreement Name ZIA HILLS 20 FEDERAL COM		
8. Name of Operator ConocoPhillips Company						9. OGRID 217817				
10. Address of Operator 600 W. Illinois Ave Midland, TX 79701						11. Pool name or Wildcat Zia Hills; Wolfcamp				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	I	20	26S	32E		2270	S	767	E	LEA
BH:	H	32	26S	32E	1	66	S	761	E	LEA
13. Date Spudded 6/4/2022	14. Date T.D. Reached 2/2/2023		15. Date Rig Released 2/4/2023		16. Date Completed (Ready to Produce) 9/18/2023			17. Elevations (DF and RKB, RT, GR, etc.) 3140.8		
18. Total Measured Depth of Well 21199			19. Plug Back Measured Depth 21143.9		20. Was Directional Survey Made? Y			21. Type Electric and Other Logs Run CNL		
22. Producing Interval(s), of this completion - Top, Bottom, Name Wolfcamp										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10.75		45.50		1364		14.75		924 SKS		
7.625		29.70		11066		8.75		1480 SKS		
5.5		23.0		21179		6.75		1545 SKS		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE	DEPTH SET	PACKER SET		
						2.875	11494			
26. Perforation record (interval, size, and number) 11,903-21,110, 1136 Shots, .38						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						11903-21110		Acidize with 7.5%. 23,027,520LBS OF PROPPANT IN 436,341BBLs CLEAN FLUID		
28. PRODUCTION										
Date First Production 9/18/2023		Production Method (Flowing, gas lift, pumping - Size and type pump) GAS LIFT				Well Status (Prod. or Shut-in) PRODUCING				
Date of Test 9/28/2023	Hours Tested 24	Choke Size 29/64	Prod'n For Test Period	Oil - Bbl 984	Gas - MCF 2965	Water - Bbl. 2082	Gas - Oil Ratio 3013			
Flow Tubing Press. 1587	Casing Pressure 2219	Calculated 24-Hour Rate	Oil - Bbl. 984	Gas - MCF 2965	Water - Bbl. 2082	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD								30. Test Witnessed By		
31. List Attachments Completion Package/C102, BLM Completion, etc										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date:		
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude				Longitude				NAD83		

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature *D Walkup*

Printed Name Danielle D. Walkup Title Regulatory Coord.

Date: 10/5/2023

E-mail Address: d.d.walkup@conocophillips.com

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico			Northwestern New Mexico	
T. Rustler	975	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	1335	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	3985	T. Atoka	T. Fruitland	T. Penn. "C"
T. Lamar	4337	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. Bell Canyon		T. Devonian	T. Cliff House	T. Leadville
T. Cherry Canyon	5271	T. Silurian	T. Menefee	T. Madison
T. Bushy Canyon	6797	T. Montoya	T. Point Lookout	T. Elbert
T. Bone Spring Lime	8413			
T. 1 st Bone Spring	9393	T. Simpson	T. Mancos	T. McCracken
T. 2 nd Bone Spring	10025	T. McKee	T. Gallup	T. Ignacio Otzte
T. 3 rd Bone Spring	11083	T. Ellenburger	Base Greenhorn	T. Granite
T. Wolfcamp	11627	T. Gr. Wash	T. Dakota	
		T. Delaware Sand	T. Morrison	
		T. Bone Springs	T. Todilto	
		T.	T. Entrada	
		T.	T. Wingate	
		T.	T. Chinle	
		T.	T. Permian	

OIL OR GAS SANDS OR ZONES

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

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

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

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

IMPORTANT WATER SANDS

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	From	To	Thickness In Feet	Lithology
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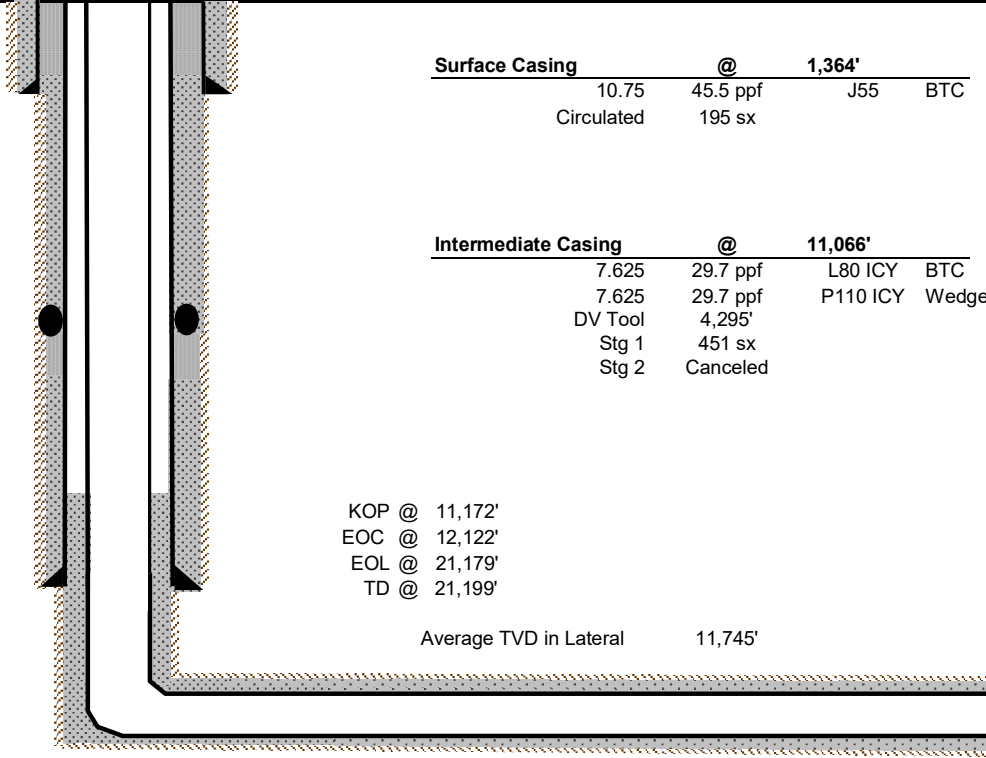
CURRENT WELL SKETCH

API: 30-025-45723
 SPUD: 6/4/2022
 FRR: 2/4/2023
 RIG: Nabors X05

ZIA HILLS 20 FEDERAL COM 114H

Wolfcamp
 Lea County

Sec 20 T/B 26-S R/Svy 32-E
 SHL: 2270' FSL & 767' FEL
 BHL: 66' FSL & 760' FEL (est.)
 Sec 32 T/B 26-S R/Svy 32-E
 GL: 3,141'
 KB: 3,173'
 ZERO: 32'



Production Casing @ 21,179'

5.5	23 ppf	P110 CY	TXP-BTC	fr/ Surf - 10,607'
5.5	23 ppf	P110 CY	Wedge 441	fr/ 10,607' - 21,179'
PBTD (LC):	21,144'			
MJ:	10,458'			
Floatation Collar:	10,561'			
Circulated:	0 sx			
Crossover:	10,563'			

HOLE SIZE	MW	BHST	Evaluation
14.75"	8.4 (ppg)		No Logs
9.875"/8.75"	9.5 (ppg)		No Logs
6.75"	12.3 (ppg)	168" F	Mud & Cased Hole logs

Updated by: S Guice
 Date: 5/4/2023

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 272991

ACKNOWLEDGMENTS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 272991
	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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CONDITIONS

Action 272991

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 272991
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days of BLM approval.	8/7/2025