

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Company 600 N. Marienfeld St., Suite 600 Midland, TX 79701		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date NW 5/27/21
⁴ API Number 30 - 025-46323	⁵ Pool Name WC-025 G-08 S243213C;Wolfcamp	⁶ Pool Code 98309
⁷ Property Code 326056	⁸ Property Name Dos Equis 12-13 Federal Com	⁹ Well Number 73H

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
B	12	24S	32E		360	North	2350	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	13	24S	32E		100	South	2131	East	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 5/27/21	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
371960	Lucid Energy Delaware, LLC	G
267255	Energy Transfer Partners, LP	O

IV. Well Completion Data

²¹ Spud Date 11/03/20	²² Ready Date 5/27/21	²³ TD 22,227MD/ 12,396TVD	²⁴ PBDT 22,198	²⁵ Perforations 12,651 - 22,173	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14-3/4	10-3/4	1237	879		
9-7/8, 8-3/4	7-5/8	12,162	2448		
6-3/4	5	22,213	1189		
	2-7/8	11723			

V. Well Test Data

³¹ Date New Oil 5/22/21	³² Gas Delivery Date 5/27/21	³³ Test Date 6/9/21	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 3429
³⁷ Choke Size	³⁸ Oil 1852	³⁹ Water 3258	⁴⁰ Gas 4670		⁴¹ Test Method Gas Lift

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 	OIL CONSERVATION DIVISION
Printed name: Kanicia Schlichting	Approved by: PATRICIA MARTINEZ
Title: Regulatory Analyst	Title: PETROLEUM SPECIALIST
E-mail Address: kschlichting@cimarex.com	Approval Date: 4/26/2022
Date: 12/14/21	
Phone: 432-571-7894	

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

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46323		² Pool Code 98309		³ Pool Name WC-025 G-08 S243213C;Wolfcamp	
⁴ Property Code 326056		⁵ Property Name DOS EQUIS 12-13 FEDERAL COM			⁶ Well Number 73H
⁷ OGRID No. 215099		⁸ Operator Name CIMAREX ENERGY CO.			⁹ Elevation 3604.0'

¹⁰ Surface Location

UL or lot no. B	Section 12	Township 24S	Range 32E	Lot Idn	Feet from the 360	North/South line NORTH	Feet from the 2350	East/West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. O	Section 13	Township 24S	Range 32E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet from the 2131	East/West line EAST	County LEA
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.

NAD 83 (SURFACE HOLE LOCATION)
 LATITUDE = 32°14'18.49" (32.238468°)
 LONGITUDE = 103°37'38.59" (103.627386°)

NAD 27 (SURFACE HOLE LOCATION)
 LATITUDE = 32°14'18.04" (32.238345°)
 LONGITUDE = 103°37'36.86" (103.626906°)

STATE PLANE NAD 83 (N.M. EAST)
 N: 451205.62' E: 759606.78'

STATE PLANE NAD 27 (N.M. EAST)
 N: 451146.66' E: 718422.80'

NAD 83 (AS-DRILLED KOP)
 LATITUDE = 32°14'18.42" (32.238449°)
 LONGITUDE = 103°37'36.58" (103.626828°)

NAD 27 (AS-DRILLED KOP)
 LATITUDE = 32°14'17.97" (32.238326°)
 LONGITUDE = 103°37'34.85" (103.626348°)

STATE PLANE NAD 83 (N.M. EAST)
 N: 451199.88' E: 759779.44'

STATE PLANE NAD 27 (N.M. EAST)
 N: 451140.92' E: 718595.45'

NAD 83 (AS-DRILLED FTP)
 LATITUDE = 32°14'13.22" (32.237007°)
 LONGITUDE = 103°37'36.25" (103.626737°)

NAD 27 (AS-DRILLED FTP)
 LATITUDE = 32°14'12.78" (32.236883°)
 LONGITUDE = 103°37'34.53" (103.626257°)

STATE PLANE NAD 83 (N.M. EAST)
 N: 450675.32' E: 759810.88'

STATE PLANE NAD 27 (N.M. EAST)
 N: 450616.37' E: 718626.88'

NAD 83 (LPP #1)
 LATITUDE = 32°13'55.92" (32.232199°)
 LONGITUDE = 103°37'36.13" (103.626702°)

NAD 27 (LPP #1)
 LATITUDE = 32°13'55.47" (32.232076°)
 LONGITUDE = 103°37'34.40" (103.626222°)

STATE PLANE NAD 83 (N.M. EAST)
 N: 448926.41' E: 759833.29'

STATE PLANE NAD 27 (N.M. EAST)
 N: 448867.50' E: 718649.21'

NAD 83 (LPP #2)
 LATITUDE = 32°13'29.80" (32.224943°)
 LONGITUDE = 103°37'36.11" (103.626698°)

NAD 27 (LPP #2)
 LATITUDE = 32°13'29.35" (32.224820°)
 LONGITUDE = 103°37'34.38" (103.626218°)

STATE PLANE NAD 83 (N.M. EAST)
 N: 446286.77' E: 759852.10'

STATE PLANE NAD 27 (N.M. EAST)
 N: 446227.92' E: 718667.90'

NAD 83 (LPP #3)
 LATITUDE = 32°13'03.65" (32.217682°)
 LONGITUDE = 103°37'36.03" (103.626676°)

NAD 27 (LPP #3)
 LATITUDE = 32°13'03.21" (32.217558°)
 LONGITUDE = 103°37'34.31" (103.626197°)

STATE PLANE NAD 83 (N.M. EAST)
 N: 443645.02' E: 759876.13'

STATE PLANE NAD 27 (N.M. EAST)
 N: 443586.24' E: 718691.81'

NAD 83 (AS-DRILLED LTP)
 LATITUDE = 32°12'39.05" (32.210846°)
 LONGITUDE = 103°37'36.11" (103.626697°)

NAD 27 (AS-DRILLED LTP)
 LATITUDE = 32°12'38.60" (32.210722°)
 LONGITUDE = 103°37'34.38" (103.626218°)

STATE PLANE NAD 83 (N.M. EAST)
 N: 441158.32' E: 759886.07'

STATE PLANE NAD 27 (N.M. EAST)
 N: 441099.60' E: 718701.64'

NAD 83 (AS-DRILLED BHL)
 LATITUDE = 32°12'38.51" (32.210698°)
 LONGITUDE = 103°37'36.12" (103.626699°)

NAD 27 (AS-DRILLED BHL)
 LATITUDE = 32°12'38.07" (32.210574°)
 LONGITUDE = 103°37'34.39" (103.626221°)

STATE PLANE NAD 83 (N.M. EAST)
 N: 441104.33' E: 759885.63'

STATE PLANE NAD 27 (N.M. EAST)
 N: 441045.62' E: 718701.20'

As-Drilled Kick Off Point
 6' SOUTH OF WELL
 173' EAST OF WELL
 M.D. 11,760'
 Inclination 2.0

As-Drilled First Take Point
 531' SOUTH OF WELL
 202' EAST OF WELL
 M.D. 12,651'
 Inclination 76.6

LPP #1
 2641' FNL
 2640' FSL
 2137' FEL

LPP #2
 0' FSL
 2134' FEL

LPP #3
 2642' FNL
 2641' FSL
 2126' FEL

As-Drilled Last Take Point
 10,050' SOUTH OF WELL
 237' EAST OF WELL
 M.D. 22,173'
 Inclination 90.5

As-Drilled Bottom Hole
 10,104' SOUTH OF WELL
 237' EAST OF WELL
 M.D. 22,227'
 Inclination 90.7

Proposed Well Bore

Section Line

Detail "A"
 No Scale

SW Cor. Sec. 14

SW Cor. Sec. 24

E 1/4 Cor. Sec. 24

R 32 E

R 33 E

Legend:

- = SURFACE HOLE LOCATION
- ◆ = AS-DRILLED KICK OFF POINT/LPP/FIRST TAKE POINT/LAST TAKE POINT
- = AS-DRILLED BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- △ = SECTION CORNER RE-ESTABLISHED (Not Set on Ground.)

Scale: 0' 1000' 2000'

REV: 1 11-17-21 Z.L. (ADD LEASE CROSSINGS)

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.

Signature: [Signature]
Date: 12/14/21

Kanicia Schlichting
 Printed Name

kschlichting@cimarex.com
 E-mail Address

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.

April 23, 2018
 Date of Survey

Signature and Seal of Professional Surveyor:

PAUL BUCHELE
 NEW MEXICO
 23782
 11-17-21
 PROFESSIONAL SURVEYOR

Certificate Number:



Actual Wellpath Report

Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'

Page 1 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

REPORT SETUP INFORMATION			
Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Gail Deering
Scale	0.999964	Report Generated	09/Dec/2021 at 13:01
Convergence at slot	0.38° East	Database	WA_HOU_Midland_Defn

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	759606.78	451205.62	32°14'18.4857"N	103°37'38.5906"W
Facility Reference Pt			759606.78	451205.62	32°14'18.4857"N	103°37'38.5906"W
Field Reference Pt			533303.25	1273342.63	34°30'0.0000"N	104°21'36.0000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Cactus 163 (KB) to Facility Vertical Datum	3629.00ft
Horizontal Reference Pt	Slot	Cactus 163 (KB) to Mean Sea Level	3629.00ft
Vertical Reference Pt	Cactus 163 (KB)	Cactus 163 (KB) to Ground Level at Slot (Dos Equis 12-13 Federal Com 73H)	25.00ft
MD Reference Pt	Cactus 163 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.66°



Actual Wellpath Report
Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'
Page 2 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH DATA (256 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	16.770	0.00	0.00	0.00	0.00	759606.78	451205.62	32°14'18.4857"N	103°37'38.5906"W	0.00	0.00	0.00	
25.00	0.000	16.770	25.00	0.00	0.00	0.00	759606.78	451205.62	32°14'18.4857"N	103°37'38.5906"W	0.00	0.00	0.00	
218.00	0.510	16.770	218.00	-0.82	0.82	0.25	759607.03	451206.44	32°14'18.4938"N	103°37'38.5876"W	0.26	0.26	0.00	14-3/4" Trueshot MWD Surveys 218'-1170'
310.00	0.470	9.910	309.99	-1.58	1.59	0.43	759607.21	451207.21	32°14'18.5013"N	103°37'38.5854"W	0.08	-0.04	-7.46	
409.00	0.480	347.040	408.99	-2.39	2.39	0.41	759607.19	451208.01	32°14'18.5093"N	103°37'38.5856"W	0.19	0.01	-23.10	
500.00	0.370	330.320	499.99	-3.02	3.02	0.18	759606.96	451208.64	32°14'18.5155"N	103°37'38.5883"W	0.18	-0.12	-18.37	
592.00	0.390	341.670	591.99	-3.57	3.57	-0.07	759606.71	451209.19	32°14'18.5210"N	103°37'38.5911"W	0.08	0.02	12.34	
684.00	0.350	322.180	683.98	-4.09	4.09	-0.34	759606.44	451209.71	32°14'18.5262"N	103°37'38.5942"W	0.14	-0.04	-21.18	
776.00	0.420	303.320	775.98	-4.50	4.50	-0.79	759605.99	451210.12	32°14'18.5302"N	103°37'38.5995"W	0.16	0.08	-20.50	
867.00	0.400	290.860	866.98	-4.80	4.80	-1.37	759605.41	451210.41	32°14'18.5332"N	103°37'38.6061"W	0.10	-0.02	-13.69	
958.00	0.520	268.450	957.98	-4.91	4.90	-2.08	759604.70	451210.52	32°14'18.5343"N	103°37'38.6144"W	0.24	0.13	-24.63	
1048.00	0.620	257.250	1047.97	-4.80	4.78	-2.96	759603.82	451210.40	32°14'18.5331"N	103°37'38.6247"W	0.17	0.11	-12.44	
1143.00	0.760	250.100	1142.97	-4.47	4.45	-4.06	759602.72	451210.07	32°14'18.5300"N	103°37'38.6374"W	0.17	0.15	-7.53	
1170.00	0.750	253.680	1169.96	-4.37	4.34	-4.39	759602.39	451209.96	32°14'18.5289"N	103°37'38.6414"W	0.18	-0.04	13.26	
1256.00	1.030	252.900	1255.95	-3.99	3.95	-5.67	759601.11	451209.57	32°14'18.5252"N	103°37'38.6563"W	0.33	0.33	-0.91	9-7/8" Trueshot MWD Surveys 1256'-11686'
1323.00	0.730	211.080	1322.95	-3.45	3.41	-6.47	759600.31	451209.03	32°14'18.5198"N	103°37'38.6656"W	1.03	-0.45	-62.42	
1417.00	2.140	122.590	1416.92	-1.98	1.95	-5.30	759601.48	451207.57	32°14'18.5053"N	103°37'38.6521"W	2.39	1.50	-94.14	
1512.00	4.000	110.690	1511.78	0.17	-0.17	-0.70	759606.08	451205.45	32°14'18.4840"N	103°37'38.5988"W	2.06	1.96	-12.53	
1606.00	4.670	103.160	1605.51	2.24	-2.20	6.09	759612.87	451203.42	32°14'18.4635"N	103°37'38.5198"W	0.93	0.71	-8.01	
1701.00	5.210	94.980	1700.16	3.54	-3.46	14.15	759620.93	451202.16	32°14'18.4505"N	103°37'38.4261"W	0.93	0.57	-8.61	
1795.00	4.930	94.310	1793.79	4.26	-4.13	22.43	759629.21	451201.49	32°14'18.4433"N	103°37'38.3297"W	0.30	-0.30	-0.71	
1890.00	6.590	88.380	1888.31	4.47	-4.28	31.95	759638.73	451201.34	32°14'18.4412"N	103°37'38.2189"W	1.85	1.75	-6.24	
1984.00	7.170	89.810	1981.63	4.37	-4.11	43.21	759649.99	451201.51	32°14'18.4422"N	103°37'38.0878"W	0.64	0.62	1.52	
2078.00	7.160	87.020	2074.90	4.11	-3.79	54.93	759661.70	451201.83	32°14'18.4446"N	103°37'37.9514"W	0.37	-0.01	-2.97	
2172.00	7.000	88.570	2168.18	3.74	-3.34	66.50	759673.28	451202.28	32°14'18.4483"N	103°37'37.8166"W	0.27	-0.17	1.65	
2267.00	6.880	89.760	2262.49	3.63	-3.17	77.98	759684.76	451202.45	32°14'18.4492"N	103°37'37.6830"W	0.20	-0.13	1.25	
2362.00	6.870	88.310	2356.80	3.51	-2.98	89.35	759696.13	451202.64	32°14'18.4504"N	103°37'37.5506"W	0.18	-0.01	-1.53	
2456.00	6.900	89.290	2450.13	3.34	-2.75	100.61	759707.39	451202.88	32°14'18.4520"N	103°37'37.4194"W	0.13	0.03	1.04	
2551.00	6.180	86.890	2544.51	3.06	-2.40	111.43	759718.20	451203.22	32°14'18.4547"N	103°37'37.2935"W	0.81	-0.76	-2.53	
2645.00	6.230	83.680	2637.96	2.28	-1.56	121.55	759728.32	451204.06	32°14'18.4623"N	103°37'37.1756"W	0.37	0.05	-3.41	



Actual Wellpath Report

Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'

Page 3 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH DATA (256 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2739.00	5.400	84.070	2731.47	1.32	-0.54	131.02	759737.79	451205.08	32°14'18.4718"N	103°37'37.0653"W	0.88	-0.88	0.41	
2833.00	5.040	85.040	2825.08	0.56	0.27	139.53	759746.31	451205.89	32°14'18.4793"N	103°37'36.9661"W	0.39	-0.38	1.03	
2927.00	4.780	83.050	2918.74	-0.23	1.10	147.53	759754.31	451206.72	32°14'18.4870"N	103°37'36.8729"W	0.33	-0.28	-2.12	
3022.00	4.720	83.800	3013.41	-1.08	2.00	155.35	759762.12	451207.62	32°14'18.4954"N	103°37'36.7818"W	0.09	-0.06	0.79	
3116.00	4.980	82.550	3107.07	-1.98	2.95	163.24	759770.01	451208.57	32°14'18.5042"N	103°37'36.6899"W	0.30	0.28	-1.33	
3211.00	4.810	79.680	3201.73	-3.18	4.20	171.24	759778.02	451209.82	32°14'18.5161"N	103°37'36.5966"W	0.31	-0.18	-3.02	
3306.00	3.650	89.680	3296.47	-3.87	4.93	178.19	759784.96	451210.55	32°14'18.5228"N	103°37'36.5157"W	1.44	-1.22	10.53	
3399.00	3.430	89.190	3389.29	-3.89	4.98	183.93	759790.70	451210.60	32°14'18.5230"N	103°37'36.4488"W	0.24	-0.24	-0.53	
3493.00	2.940	86.750	3483.15	-4.04	5.16	189.15	759795.92	451210.78	32°14'18.5244"N	103°37'36.3881"W	0.54	-0.52	-2.60	
3588.00	2.650	83.800	3578.03	-4.39	5.54	193.76	759800.54	451211.16	32°14'18.5278"N	103°37'36.3343"W	0.34	-0.31	-3.11	
3682.00	2.390	90.600	3671.94	-4.58	5.75	197.88	759804.66	451211.37	32°14'18.5297"N	103°37'36.2863"W	0.42	-0.28	7.23	
3776.00	2.280	92.650	3765.86	-4.45	5.64	201.71	759808.48	451211.26	32°14'18.5284"N	103°37'36.2418"W	0.15	-0.12	2.18	
3870.00	2.390	88.980	3859.79	-4.37	5.59	205.54	759812.31	451211.21	32°14'18.5276"N	103°37'36.1972"W	0.20	0.12	-3.90	
3965.00	1.910	106.500	3954.72	-3.94	5.18	209.04	759815.81	451210.80	32°14'18.5233"N	103°37'36.1565"W	0.85	-0.51	18.44	
4059.00	0.910	141.390	4048.69	-2.90	4.15	211.00	759817.78	451209.77	32°14'18.5130"N	103°37'36.1337"W	1.36	-1.06	37.12	
4153.00	1.000	136.300	4142.68	-1.71	2.97	212.04	759818.81	451208.59	32°14'18.5013"N	103°37'36.1218"W	0.13	0.10	-5.41	
4247.00	2.260	131.050	4236.64	0.11	1.16	214.00	759820.77	451206.78	32°14'18.4832"N	103°37'36.0990"W	1.35	1.34	-5.59	
4341.00	1.730	92.770	4330.59	1.41	-0.12	216.82	759823.59	451205.50	32°14'18.4703"N	103°37'36.0663"W	1.49	-0.56	-40.72	
4435.00	1.750	68.880	4424.54	0.98	0.33	219.57	759826.34	451205.95	32°14'18.4746"N	103°37'36.0342"W	0.77	0.02	-25.41	
4530.00	1.080	53.900	4519.51	-0.06	1.38	221.65	759828.42	451207.00	32°14'18.4849"N	103°37'36.0100"W	0.80	-0.71	-15.77	
4624.00	1.580	87.550	4613.49	-0.63	1.95	223.66	759830.43	451207.57	32°14'18.4904"N	103°37'35.9865"W	0.96	0.53	35.80	
4718.00	1.200	129.710	4707.46	-0.04	1.38	225.71	759832.48	451207.00	32°14'18.4846"N	103°37'35.9627"W	1.13	-0.40	44.85	
4812.00	0.640	305.590	4801.46	0.29	1.06	226.04	759832.81	451206.68	32°14'18.4814"N	103°37'35.9588"W	1.96	-0.60	187.11	
4906.00	1.150	307.550	4895.45	-0.60	1.94	224.87	759831.64	451207.56	32°14'18.4902"N	103°37'35.9725"W	0.54	0.54	2.09	
5000.00	1.350	296.670	4989.43	-1.68	3.01	223.13	759829.90	451208.63	32°14'18.5009"N	103°37'35.9926"W	0.33	0.21	-11.57	
5094.00	1.380	289.130	5083.40	-2.56	3.88	221.07	759827.84	451209.50	32°14'18.5096"N	103°37'36.0165"W	0.19	0.03	-8.02	
5188.00	1.310	299.810	5177.37	-3.48	4.78	219.07	759825.84	451210.40	32°14'18.5187"N	103°37'36.0397"W	0.28	-0.07	11.36	
5283.00	1.480	290.130	5272.35	-4.46	5.74	216.98	759823.75	451211.36	32°14'18.5284"N	103°37'36.0640"W	0.31	0.18	-10.19	
5377.00	1.500	302.310	5366.31	-5.54	6.82	214.80	759821.57	451212.44	32°14'18.5392"N	103°37'36.0893"W	0.34	0.02	12.96	
5471.00	1.480	298.710	5460.28	-6.80	8.06	212.69	759819.46	451213.68	32°14'18.5516"N	103°37'36.1137"W	0.10	-0.02	-3.83	



Actual Wellpath Report
Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'
Page 4 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH DATA (256 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5565.00	1.550	304.830	5554.25	-8.12	9.37	210.58	759817.36	451214.99	32°14'18.5647"N	103°37'36.1382"W	0.19	0.07	6.51	
5660.00	1.430	310.110	5649.22	-9.63	10.87	208.62	759815.39	451216.49	32°14'18.5796"N	103°37'36.1609"W	0.19	-0.13	5.56	
5753.00	0.490	270.560	5742.20	-10.39	11.62	207.34	759814.11	451217.24	32°14'18.5871"N	103°37'36.1758"W	1.18	-1.01	-42.53	
5847.00	0.540	233.040	5836.20	-10.13	11.36	206.58	759813.35	451216.98	32°14'18.5846"N	103°37'36.1846"W	0.36	0.05	-39.91	
5941.00	0.280	239.720	5930.20	-9.75	10.97	206.03	759812.80	451216.59	32°14'18.5808"N	103°37'36.1911"W	0.28	-0.28	7.11	
6036.00	0.510	217.710	6025.20	-9.30	10.52	205.57	759812.34	451216.14	32°14'18.5764"N	103°37'36.1965"W	0.29	0.24	-23.17	
6130.00	0.500	263.590	6119.19	-8.93	10.15	204.91	759811.68	451215.77	32°14'18.5727"N	103°37'36.2042"W	0.42	-0.01	48.81	
6225.00	0.480	270.900	6214.19	-8.89	10.11	204.10	759810.87	451215.72	32°14'18.5724"N	103°37'36.2137"W	0.07	-0.02	7.69	
6320.00	0.310	266.060	6309.19	-8.89	10.09	203.44	759810.21	451215.71	32°14'18.5723"N	103°37'36.2213"W	0.18	-0.18	-5.09	
6414.00	0.460	257.200	6403.18	-8.79	9.99	202.82	759809.59	451215.61	32°14'18.5713"N	103°37'36.2285"W	0.17	0.16	-9.43	
6509.00	0.360	219.890	6498.18	-8.48	9.68	202.26	759809.03	451215.30	32°14'18.5683"N	103°37'36.2351"W	0.29	-0.11	-39.27	
6604.00	0.570	245.280	6593.18	-8.06	9.25	201.64	759808.41	451214.87	32°14'18.5641"N	103°37'36.2424"W	0.30	0.22	26.73	
6699.00	0.340	258.850	6688.18	-7.81	9.00	200.93	759807.70	451214.62	32°14'18.5617"N	103°37'36.2506"W	0.27	-0.24	14.28	
6793.00	0.520	276.320	6782.17	-7.81	8.99	200.23	759807.01	451214.61	32°14'18.5616"N	103°37'36.2587"W	0.23	0.19	18.59	
6888.00	0.460	271.930	6877.17	-7.87	9.05	199.42	759806.20	451214.67	32°14'18.5623"N	103°37'36.2681"W	0.07	-0.06	-4.62	
6983.00	0.730	250.130	6972.16	-7.68	8.86	198.47	759805.25	451214.48	32°14'18.5604"N	103°37'36.2792"W	0.37	0.28	-22.95	
7078.00	0.560	236.380	7067.16	-7.23	8.40	197.52	759804.29	451214.02	32°14'18.5559"N	103°37'36.2904"W	0.24	-0.18	-14.47	
7172.00	0.780	248.590	7161.15	-6.74	7.91	196.54	759803.31	451213.53	32°14'18.5512"N	103°37'36.3018"W	0.28	0.23	12.99	
7267.00	0.500	234.460	7256.15	-6.27	7.43	195.60	759802.37	451213.05	32°14'18.5465"N	103°37'36.3128"W	0.34	-0.29	-14.87	
7362.00	1.040	109.390	7351.14	-5.74	6.91	196.08	759802.85	451212.53	32°14'18.5412"N	103°37'36.3073"W	1.46	0.57	-131.65	
7456.00	1.240	108.820	7445.12	-5.12	6.30	197.84	759804.62	451211.91	32°14'18.5351"N	103°37'36.2867"W	0.21	0.21	-0.61	
7550.00	1.360	108.400	7539.10	-4.43	5.61	199.86	759806.64	451211.23	32°14'18.5282"N	103°37'36.2633"W	0.13	0.13	-0.45	
7644.00	1.300	96.930	7633.07	-3.94	5.13	201.98	759808.75	451210.75	32°14'18.5233"N	103°37'36.2387"W	0.29	-0.06	-12.20	
7739.00	1.370	106.320	7728.05	-3.47	4.68	204.14	759810.91	451210.30	32°14'18.5187"N	103°37'36.2135"W	0.24	0.07	9.88	
7832.00	1.450	104.000	7821.02	-2.86	4.09	206.35	759813.12	451209.71	32°14'18.5127"N	103°37'36.1879"W	0.11	0.09	-2.49	
7926.00	1.350	127.450	7914.99	-1.89	3.13	208.38	759815.15	451208.75	32°14'18.5030"N	103°37'36.1643"W	0.61	-0.11	24.95	
8020.00	0.670	124.520	8008.98	-0.90	2.14	209.71	759816.49	451207.76	32°14'18.4932"N	103°37'36.1489"W	0.73	-0.72	-3.12	
8115.00	0.230	106.710	8103.97	-0.52	1.77	210.36	759817.13	451207.39	32°14'18.4895"N	103°37'36.1414"W	0.48	-0.46	-18.75	
8210.00	0.600	157.810	8198.97	-0.01	1.26	210.73	759817.50	451206.88	32°14'18.4844"N	103°37'36.1372"W	0.52	0.39	53.79	
8304.00	0.630	155.950	8292.97	0.92	0.33	211.12	759817.89	451205.95	32°14'18.4752"N	103°37'36.1326"W	0.04	0.03	-1.98	



Actual Wellpath Report

Dos Equis 12-13 Federal Com 73H_ awp 218'-22202' Proj: 22227'

Page 5 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH DATA (256 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8398.00	0.660	198.190	8386.96	1.91	-0.66	211.16	759817.94	451204.96	32°14'18.4654"N	103°37'36.1322"W	0.50	0.03	44.94	
8492.00	0.560	151.360	8480.96	2.83	-1.57	211.21	759817.99	451204.05	32°14'18.4563"N	103°37'36.1317"W	0.52	-0.11	-49.82	
8587.00	0.350	226.190	8575.95	3.44	-2.18	211.23	759818.00	451203.44	32°14'18.4503"N	103°37'36.1316"W	0.61	-0.22	78.77	
8681.00	0.620	183.570	8669.95	4.14	-2.89	210.99	759817.76	451202.73	32°14'18.4433"N	103°37'36.1344"W	0.46	0.29	-45.34	
8776.00	0.650	200.070	8764.94	5.16	-3.91	210.77	759817.54	451201.71	32°14'18.4333"N	103°37'36.1370"W	0.19	0.03	17.37	
8870.00	0.580	197.800	8858.94	6.11	-4.86	210.44	759817.22	451200.76	32°14'18.4239"N	103°37'36.1409"W	0.08	-0.07	-2.41	
8964.00	0.540	239.910	8952.93	6.78	-5.54	209.92	759816.69	451200.08	32°14'18.4172"N	103°37'36.1471"W	0.43	-0.04	44.80	
9059.00	0.880	250.930	9047.93	7.24	-6.00	208.84	759815.61	451199.62	32°14'18.4127"N	103°37'36.1597"W	0.38	0.36	11.60	
9152.00	0.900	259.190	9140.92	7.60	-6.37	207.45	759814.22	451199.25	32°14'18.4091"N	103°37'36.1759"W	0.14	0.02	8.88	
9247.00	0.790	271.350	9235.91	7.72	-6.49	206.06	759812.83	451199.13	32°14'18.4080"N	103°37'36.1921"W	0.22	-0.12	12.80	
9340.00	0.840	284.920	9328.90	7.52	-6.30	204.76	759811.53	451199.32	32°14'18.4100"N	103°37'36.2072"W	0.21	0.05	14.59	
9435.00	0.960	282.220	9423.89	7.16	-5.96	203.31	759810.08	451199.66	32°14'18.4135"N	103°37'36.2241"W	0.13	0.13	-2.84	
9529.00	1.940	278.590	9517.85	6.74	-5.55	200.96	759807.74	451200.07	32°14'18.4177"N	103°37'36.2513"W	1.05	1.04	-3.86	
9623.00	2.350	283.450	9611.79	6.04	-4.87	197.52	759804.29	451200.75	32°14'18.4247"N	103°37'36.2914"W	0.48	0.44	5.17	
9718.00	2.500	289.220	9706.70	4.88	-3.73	193.67	759800.44	451201.89	32°14'18.4361"N	103°37'36.3361"W	0.30	0.16	6.07	
9813.00	2.000	294.160	9801.63	3.50	-2.37	190.20	759796.97	451203.25	32°14'18.4498"N	103°37'36.3764"W	0.56	-0.53	5.20	
9908.00	1.490	282.740	9896.59	2.53	-1.42	187.48	759794.25	451204.20	32°14'18.4594"N	103°37'36.4080"W	0.65	-0.54	-12.02	
10002.00	2.220	282.820	9990.54	1.84	-0.75	184.51	759791.29	451204.87	32°14'18.4663"N	103°37'36.4425"W	0.78	0.78	0.09	
10096.00	1.030	308.510	10084.50	0.90	0.18	182.08	759788.85	451205.80	32°14'18.4756"N	103°37'36.4708"W	1.45	-1.27	27.33	
10191.00	0.310	337.400	10179.49	0.12	0.95	181.31	759788.08	451206.57	32°14'18.4833"N	103°37'36.4796"W	0.81	-0.76	30.41	
10285.00	0.700	306.660	10273.49	-0.46	1.53	180.75	759787.52	451207.15	32°14'18.4890"N	103°37'36.4861"W	0.49	0.41	-32.70	
10380.00	0.790	26.700	10368.48	-1.39	2.46	180.58	759787.35	451208.08	32°14'18.4983"N	103°37'36.4880"W	1.01	0.09	84.25	
10474.00	0.980	32.380	10462.47	-2.64	3.72	181.30	759788.07	451209.34	32°14'18.5107"N	103°37'36.4795"W	0.22	0.20	6.04	
10568.00	0.670	11.870	10556.46	-3.86	4.94	181.85	759788.62	451210.56	32°14'18.5227"N	103°37'36.4731"W	0.45	-0.33	-21.82	
10663.00	0.900	348.410	10651.45	-5.13	6.21	181.81	759788.58	451211.83	32°14'18.5353"N	103°37'36.4734"W	0.41	0.24	-24.69	
10757.00	0.570	114.550	10745.45	-5.66	6.74	182.09	759788.86	451212.36	32°14'18.5405"N	103°37'36.4702"W	1.40	-0.35	134.19	
10852.00	0.940	116.750	10840.44	-5.11	6.19	183.21	759789.99	451211.81	32°14'18.5350"N	103°37'36.4571"W	0.39	0.39	2.32	
10946.00	1.030	146.130	10934.43	-4.05	5.14	184.37	759791.14	451210.76	32°14'18.5246"N	103°37'36.4437"W	0.54	0.10	31.26	
11040.00	1.340	164.540	11028.41	-2.28	3.38	185.14	759791.91	451209.00	32°14'18.5071"N	103°37'36.4349"W	0.52	0.33	19.59	
11134.00	1.380	163.090	11122.38	-0.14	1.24	185.76	759792.53	451206.86	32°14'18.4859"N	103°37'36.4278"W	0.06	0.04	-1.54	



Actual Wellpath Report

Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'

Page 6 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH DATA (256 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11228.00	1.370	181.170	11216.35	2.07	-0.97	186.06	759792.84	451204.65	32°14'18.4640"N	103°37'36.4244"W	0.46	-0.01	19.23	
11322.00	1.210	243.310	11310.33	3.63	-2.53	185.15	759791.93	451203.09	32°14'18.4485"N	103°37'36.4351"W	1.42	-0.17	66.11	
11417.00	1.520	257.410	11405.31	4.35	-3.26	183.03	759789.80	451202.36	32°14'18.4415"N	103°37'36.4600"W	0.48	0.33	14.84	
11511.00	1.770	252.510	11499.27	5.04	-3.97	180.43	759787.20	451201.65	32°14'18.4347"N	103°37'36.4903"W	0.30	0.27	-5.21	
11606.00	1.640	259.380	11594.23	5.71	-4.66	177.69	759784.46	451200.96	32°14'18.4280"N	103°37'36.5222"W	0.25	-0.14	7.23	
11686.00	2.050	262.040	11674.18	6.11	-5.07	175.15	759781.92	451200.55	32°14'18.4241"N	103°37'36.5518"W	0.52	0.51	3.33	
11759.00	1.970	249.170	11747.14	6.72	-5.70	172.68	759779.46	451199.92	32°14'18.4181"N	103°37'36.5806"W	0.63	-0.11	-17.63	8-3/4" BH NT MWD Surveys 11759'-12105', KOP: 11759.00ft MD (367' FNL & 3167' FEL)
11791.00	3.870	199.210	11779.10	7.93	-6.91	171.81	759778.59	451198.71	32°14'18.4061"N	103°37'36.5908"W	9.40	5.94	-156.12	
11822.00	6.810	182.250	11809.96	10.75	-9.74	171.40	759778.17	451195.88	32°14'18.3782"N	103°37'36.5959"W	10.66	9.48	-54.71	
11853.00	9.830	172.690	11840.64	15.22	-14.20	171.66	759778.44	451191.42	32°14'18.3340"N	103°37'36.5931"W	10.68	9.74	-30.84	
11885.00	12.820	172.020	11872.01	21.45	-20.43	172.50	759779.28	451185.20	32°14'18.2723"N	103°37'36.5838"W	9.35	9.34	-2.09	
11916.00	14.850	171.760	11902.11	28.79	-27.76	173.55	759780.32	451177.86	32°14'18.1997"N	103°37'36.5722"W	6.55	6.55	-0.84	
11947.00	16.320	169.640	11931.97	37.02	-35.98	174.90	759781.68	451169.64	32°14'18.1183"N	103°37'36.5571"W	5.08	4.74	-6.84	
11979.00	19.380	170.770	11962.42	46.69	-45.65	176.56	759783.34	451159.98	32°14'18.0225"N	103°37'36.5385"W	9.62	9.56	3.53	
12010.00	22.580	172.510	11991.37	57.68	-56.63	178.16	759784.94	451149.00	32°14'17.9138"N	103°37'36.5207"W	10.52	10.32	5.61	
12042.00	25.150	173.600	12020.63	70.54	-69.48	179.72	759786.50	451136.15	32°14'17.7865"N	103°37'36.5035"W	8.15	8.03	3.41	
12074.00	27.970	173.710	12049.25	84.77	-83.70	181.30	759788.08	451121.93	32°14'17.6457"N	103°37'36.4862"W	8.81	8.81	0.34	
12105.00	30.430	173.510	12076.31	99.81	-98.72	182.99	759789.76	451106.90	32°14'17.4969"N	103°37'36.4677"W	7.94	7.94	-0.65	
12228.00	41.050	172.920	12176.00	171.09	-169.96	191.51	759798.28	451035.67	32°14'16.7915"N	103°37'36.3740"W	8.64	8.63	-0.48	6-3/4" BH Lucida MWD Surveys 12228'-22202'
12275.00	46.810	175.770	12209.84	203.54	-202.39	194.68	759801.45	451003.24	32°14'16.4704"N	103°37'36.3396"W	12.95	12.26	6.06	
12322.00	49.990	178.080	12241.04	238.64	-237.48	196.55	759803.32	450968.15	32°14'16.1230"N	103°37'36.3205"W	7.70	6.77	4.91	
12369.00	53.200	180.020	12270.24	275.46	-274.30	197.14	759803.92	450931.33	32°14'15.7587"N	103°37'36.3164"W	7.56	6.83	4.13	
12416.00	57.190	180.790	12297.06	314.04	-312.88	196.87	759803.64	450892.75	32°14'15.3769"N	103°37'36.3226"W	8.60	8.49	1.64	
12463.00	63.240	179.560	12320.39	354.81	-353.65	196.75	759803.53	450851.98	32°14'14.9735"N	103°37'36.3270"W	13.07	12.87	-2.62	
12510.00	67.590	177.510	12339.94	397.53	-396.36	197.86	759804.63	450809.27	32°14'14.5508"N	103°37'36.3174"W	10.07	9.26	-4.36	
12557.00	71.060	177.020	12356.54	441.46	-440.28	199.96	759806.73	450765.36	32°14'14.1161"N	103°37'36.2963"W	7.45	7.38	-1.04	
12604.00	73.390	177.330	12370.88	486.17	-484.98	202.16	759808.94	450720.66	32°14'13.6737"N	103°37'36.2741"W	5.00	4.96	0.66	
12651.00	76.580	177.770	12383.06	531.53	-530.32	204.10	759810.88	450675.32	32°14'13.2249"N	103°37'36.2550"W	6.85	6.79	0.94	FTP: 12651.00ft MD (892' FNL & 2149' FEL)
12699.00	80.630	178.270	12392.54	578.55	-577.34	205.73	759812.50	450628.30	32°14'12.7595"N	103°37'36.2397"W	8.50	8.44	1.04	
12746.00	83.900	177.880	12398.87	625.10	-623.88	207.29	759814.06	450581.76	32°14'12.2989"N	103°37'36.2250"W	7.01	6.96	-0.83	



Actual Wellpath Report
Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'
Page 7 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH DATA (256 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12793.00	88.110	177.650	12402.14	671.95	-670.72	209.12	759815.89	450534.93	32°14'11.8353"N	103°37'36.2073"W	8.97	8.96	-0.49	
12887.00	89.610	177.270	12404.01	765.86	-764.61	213.29	759820.06	450441.04	32°14'10.9061"N	103°37'36.1660"W	1.65	1.60	-0.40	
12981.00	89.250	177.450	12404.94	859.78	-858.50	217.61	759824.39	450347.15	32°14'9.9767"N	103°37'36.1228"W	0.43	-0.38	0.19	
13075.00	89.060	177.090	12406.33	953.69	-952.38	222.09	759828.86	450253.27	32°14'9.0475"N	103°37'36.0779"W	0.43	-0.20	-0.38	
13170.00	88.970	179.350	12407.96	1048.64	-1047.32	225.04	759831.81	450158.34	32°14'8.1079"N	103°37'36.0508"W	2.38	-0.09	2.38	
13264.00	89.090	179.330	12409.55	1142.62	-1141.30	226.12	759832.90	450064.37	32°14'7.1779"N	103°37'36.0454"W	0.13	0.13	-0.02	
13358.00	89.120	179.200	12411.02	1236.61	-1235.28	227.33	759834.10	449970.39	32°14'6.2479"N	103°37'36.0386"W	0.14	0.03	-0.14	
13452.00	88.320	179.340	12413.12	1330.58	-1329.25	228.53	759835.30	449876.42	32°14'5.3180"N	103°37'36.0318"W	0.86	-0.85	0.15	
13546.00	89.030	179.290	12415.30	1424.55	-1423.22	229.65	759836.42	449782.46	32°14'4.3881"N	103°37'36.0259"W	0.76	0.76	-0.05	
13640.00	89.830	181.070	12416.23	1518.54	-1517.21	229.36	759836.13	449688.47	32°14'3.4581"N	103°37'36.0366"W	2.08	0.85	1.89	
13734.00	90.230	179.740	12416.18	1612.53	-1611.20	228.69	759835.46	449594.48	32°14'2.5281"N	103°37'36.0515"W	1.48	0.43	-1.41	
13828.00	90.260	179.470	12415.78	1706.53	-1705.20	229.34	759836.11	449500.49	32°14'1.5980"N	103°37'36.0512"W	0.29	0.03	-0.29	
13923.00	89.740	179.160	12415.78	1801.53	-1800.19	230.47	759837.25	449405.50	32°14'0.6579"N	103°37'36.0452"W	0.64	-0.55	-0.33	
14017.00	88.720	179.150	12417.04	1895.51	-1894.17	231.86	759838.63	449311.52	32°13'59.7279"N	103°37'36.0363"W	1.09	-1.09	-0.01	
14111.00	89.090	178.860	12418.84	1989.49	-1988.14	233.49	759840.26	449217.56	32°13'58.7980"N	103°37'36.0245"W	0.50	0.39	-0.31	
14205.00	89.520	179.350	12419.98	2083.48	-2082.12	234.96	759841.73	449123.58	32°13'57.8680"N	103°37'36.0146"W	0.69	0.46	0.52	
14300.00	91.160	184.810	12419.42	2178.35	-2177.02	231.51	759838.29	449028.69	32°13'56.9292"N	103°37'36.0620"W	6.00	1.73	5.75	
14394.00	91.280	181.220	12417.41	2272.15	-2270.85	226.57	759833.34	448934.86	32°13'56.0011"N	103°37'36.1267"W	3.82	0.13	-3.82	
14402.00†	91.065	181.074	12417.25	2280.15	-2278.85	226.41	759833.18	448926.86	32°13'55.9219"N	103°37'36.1292"W	3.25	-2.69	-1.82	LPP #1 @ 14402.00ft MD (2641' FNL/2137' FEL)
14488.00	88.750	179.510	12417.39	2366.14	-2364.84	225.97	759832.75	448840.87	32°13'55.0711"N	103°37'36.1408"W	3.25	-2.69	-1.82	
14582.00	89.460	178.920	12418.86	2460.12	-2458.82	227.26	759834.03	448746.90	32°13'54.1411"N	103°37'36.1331"W	0.98	0.76	-0.63	
14676.00	88.570	179.030	12420.47	2554.10	-2552.79	228.94	759835.71	448652.93	32°13'53.2112"N	103°37'36.1207"W	0.95	-0.95	0.12	
14770.00	88.200	178.920	12423.12	2648.05	-2646.73	230.62	759837.39	448558.99	32°13'52.2815"N	103°37'36.1083"W	0.41	-0.39	-0.12	
14864.00	87.670	178.910	12426.51	2741.99	-2740.65	232.40	759839.17	448465.07	32°13'51.3520"N	103°37'36.0948"W	0.56	-0.56	-0.01	
14958.00	89.250	178.920	12429.04	2835.94	-2834.60	234.18	759840.95	448371.13	32°13'50.4223"N	103°37'36.0813"W	1.68	1.68	0.01	
15052.00	88.200	178.860	12431.13	2929.91	-2928.56	236.00	759842.77	448277.17	32°13'49.4925"N	103°37'36.0673"W	1.12	-1.12	-0.06	
15146.00	89.980	179.060	12432.62	3023.88	-3022.53	237.71	759844.48	448183.21	32°13'48.5625"N	103°37'36.0546"W	1.91	1.89	0.21	
15240.00	90.350	178.790	12432.35	3117.88	-3116.51	239.47	759846.24	448089.23	32°13'47.6325"N	103°37'36.0413"W	0.49	0.39	-0.29	
15335.00	91.460	178.690	12430.85	3212.85	-3211.47	241.56	759848.33	447994.27	32°13'46.6927"N	103°37'36.0242"W	1.17	1.17	-0.11	
15429.00	90.660	178.820	12429.11	3306.82	-3305.43	243.60	759850.37	447900.31	32°13'45.7628"N	103°37'36.0077"W	0.86	-0.85	0.14	



Actual Wellpath Report

Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'

Page 8 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH DATA (256 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
15523.00	91.620	179.890	12427.24	3400.80	-3399.41	244.66	759851.43	447806.34	32°13'44.8329"N	103°37'36.0025"W	1.53	1.02	1.14	
15617.00	90.260	179.840	12425.70	3494.78	-3493.39	244.88	759851.65	447712.36	32°13'43.9029"N	103°37'36.0072"W	1.45	-1.45	-0.05	
15712.00	89.890	179.720	12425.57	3589.78	-3588.39	245.25	759852.02	447617.37	32°13'42.9629"N	103°37'36.0102"W	0.41	-0.39	-0.13	
15806.00	90.290	179.780	12425.43	3683.78	-3682.39	245.66	759852.43	447523.37	32°13'42.0327"N	103°37'36.0126"W	0.43	0.43	0.06	
15900.00	90.420	179.990	12424.84	3777.78	-3776.39	245.85	759852.62	447429.38	32°13'41.1026"N	103°37'36.0176"W	0.26	0.14	0.22	
15995.00	90.080	179.960	12424.43	3872.78	-3871.39	245.89	759852.66	447334.38	32°13'40.1626"N	103°37'36.0244"W	0.36	-0.36	-0.03	
16089.00	90.260	178.820	12424.15	3966.78	-3965.38	246.89	759853.66	447240.39	32°13'39.2325"N	103°37'36.0199"W	1.23	0.19	-1.21	
16183.00	88.470	179.850	12425.19	4060.76	-4059.36	247.98	759854.75	447146.41	32°13'38.3025"N	103°37'36.0144"W	2.20	-1.90	1.10	
16277.00	88.750	180.070	12427.47	4154.73	-4153.34	248.04	759854.81	447052.44	32°13'37.3726"N	103°37'36.0209"W	0.38	0.30	0.23	
16370.00	90.570	180.250	12428.02	4247.72	-4246.33	247.78	759854.56	446959.45	32°13'36.4525"N	103°37'36.0310"W	1.97	1.96	0.19	
16464.00	89.950	180.100	12427.60	4341.72	-4340.33	247.50	759854.27	446865.46	32°13'35.5224"N	103°37'36.0416"W	0.68	-0.66	-0.16	
16559.00	90.260	180.220	12427.42	4436.72	-4435.33	247.23	759854.00	446770.46	32°13'34.5824"N	103°37'36.0519"W	0.35	0.33	0.13	
16653.00	91.340	180.420	12426.11	4530.70	-4529.31	246.71	759853.48	446676.48	32°13'33.6524"N	103°37'36.0652"W	1.17	1.15	0.21	
16747.00	90.540	180.080	12424.57	4624.68	-4623.30	246.30	759853.07	446582.50	32°13'32.7225"N	103°37'36.0772"W	0.92	-0.85	-0.36	
16841.00	90.050	180.260	12424.09	4718.67	-4717.30	246.02	759852.79	446488.50	32°13'31.7924"N	103°37'36.0876"W	0.56	-0.52	0.19	
16935.00	89.430	180.220	12424.51	4812.67	-4811.30	245.62	759852.40	446394.51	32°13'30.8623"N	103°37'36.0994"W	0.66	-0.66	-0.04	
17028.00	89.270	180.220	12425.57	4905.66	-4904.29	245.27	759852.04	446301.52	32°13'29.9422"N	103°37'36.1107"W	0.17	-0.17	0.00	
17042.00†	89.248	180.084	12425.75	4919.66	-4918.29	245.23	759852.00	446287.52	32°13'29.8036"N	103°37'36.1122"W	0.98	-0.16	-0.97	LPP #2 @ 17042.00ft MD (0' FSL & 2134' FEL)
17122.00	89.120	179.310	12426.89	4999.65	-4998.28	245.65	759852.42	446207.53	32°13'29.0121"N	103°37'36.1134"W	0.98	-0.16	-0.97	
17216.00	89.710	179.370	12427.85	5093.64	-5092.27	246.74	759853.51	446113.55	32°13'28.0820"N	103°37'36.1080"W	0.63	0.63	0.06	
17310.00	90.630	179.340	12427.57	5187.64	-5186.26	247.79	759854.56	446019.56	32°13'27.1519"N	103°37'36.1029"W	0.98	0.98	-0.03	
17404.00	91.190	179.380	12426.08	5281.62	-5280.24	248.84	759855.61	445925.58	32°13'26.2219"N	103°37'36.0978"W	0.60	0.60	0.04	
17499.00	92.880	178.880	12422.70	5376.56	-5375.17	250.28	759857.06	445830.66	32°13'25.2825"N	103°37'36.0883"W	1.86	1.78	-0.53	
17593.00	93.190	179.350	12417.73	5470.42	-5469.02	251.73	759858.51	445736.81	32°13'24.3537"N	103°37'36.0786"W	0.60	0.33	0.50	
17687.00	91.060	180.900	12414.24	5564.34	-5562.95	251.53	759858.30	445642.88	32°13'23.4244"N	103°37'36.0882"W	2.80	-2.27	1.65	
17782.00	89.580	179.510	12413.71	5659.33	-5657.94	251.19	759857.96	445547.89	32°13'22.4844"N	103°37'36.0995"W	2.14	-1.56	-1.46	
17876.00	89.370	179.710	12414.57	5753.33	-5751.94	251.83	759858.60	445453.90	32°13'21.5543"N	103°37'36.0992"W	0.31	-0.22	0.21	
17970.00	91.280	179.830	12414.04	5847.32	-5845.93	252.21	759858.98	445359.91	32°13'20.6242"N	103°37'36.1020"W	2.04	2.03	0.13	
18064.00	91.430	179.940	12411.81	5941.30	-5939.90	252.39	759859.17	445265.94	32°13'19.6944"N	103°37'36.1070"W	0.20	0.16	0.12	
18158.00	90.600	179.570	12410.15	6035.28	-6033.89	252.80	759859.57	445171.96	32°13'18.7644"N	103°37'36.1095"W	0.97	-0.88	-0.39	



Actual Wellpath Report

Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'

Page 9 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH DATA (256 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
18252.00	89.950	179.610	12409.70	6129.28	-6127.88	253.47	759860.24	445077.97	32°13'17.8343"N	103°37'36.1089"W	0.69	-0.69	0.04	
18346.00	92.110	179.720	12408.01	6223.26	-6221.86	254.02	759860.79	444984.00	32°13'16.9043"N	103°37'36.1097"W	2.30	2.30	0.12	
18440.00	92.480	179.610	12404.24	6317.18	-6315.78	254.57	759861.34	444890.08	32°13'15.9749"N	103°37'36.1105"W	0.41	0.39	-0.12	
18534.00	91.990	179.120	12400.58	6411.11	-6409.71	255.61	759862.38	444796.16	32°13'15.0455"N	103°37'36.1056"W	0.74	-0.52	-0.52	
18628.00	92.080	178.950	12397.24	6505.04	-6503.63	257.19	759863.96	444702.24	32°13'14.1160"N	103°37'36.0943"W	0.20	0.10	-0.18	
18722.00	90.200	179.340	12395.37	6599.02	-6597.60	258.59	759865.36	444608.27	32°13'13.1861"N	103°37'36.0852"W	2.04	-2.00	0.41	
18816.00	90.080	179.090	12395.14	6693.01	-6691.59	259.88	759866.65	444514.29	32°13'12.2560"N	103°37'36.0774"W	0.30	-0.13	-0.27	
18910.00	91.960	179.740	12393.47	6786.99	-6785.57	260.84	759867.61	444420.31	32°13'11.3260"N	103°37'36.0734"W	2.12	2.00	0.69	
19008.00	90.970	180.110	12390.96	6884.96	-6883.53	260.97	759867.74	444322.35	32°13'10.3567"N	103°37'36.0794"W	1.08	-1.01	0.38	
19101.00	87.860	181.670	12391.91	6977.92	-6976.50	259.53	759866.30	444229.39	32°13'9.4368"N	103°37'36.1034"W	3.74	-3.34	1.68	
19196.00	86.870	180.430	12396.28	7072.79	-7071.38	257.79	759864.56	444134.51	32°13'8.4981"N	103°37'36.1309"W	1.67	-1.04	-1.31	
19290.00	89.890	179.430	12398.94	7166.74	-7165.33	257.90	759864.67	444040.56	32°13'7.5685"N	103°37'36.1367"W	3.38	3.21	-1.06	
19384.00	89.610	178.810	12399.35	7260.73	-7259.32	259.35	759866.12	443946.58	32°13'6.6384"N	103°37'36.1271"W	0.72	-0.30	-0.66	
19478.00	89.680	178.920	12399.93	7354.72	-7353.30	261.21	759867.98	443852.60	32°13'5.7083"N	103°37'36.1126"W	0.14	0.07	0.12	
19572.00	89.550	178.310	12400.56	7448.70	-7447.27	263.48	759870.25	443758.64	32°13'4.7784"N	103°37'36.0934"W	0.66	-0.14	-0.65	
19666.00	89.680	175.500	12401.19	7542.58	-7541.12	268.55	759875.32	443664.79	32°13'3.8494"N	103°37'36.0415"W	2.99	0.14	-2.99	
19686.00†	89.752	176.421	12401.29	7562.54	-7561.07	269.96	759876.73	443644.84	32°13'3.6519"N	103°37'36.0266"W	4.62	0.36	4.61	LPP #3 @ 19686.00ft MD (2642' FNL & 2126' FEL)
19760.00	90.020	179.830	12401.44	7636.50	-7635.02	272.38	759879.15	443570.89	32°13'2.9200"N	103°37'36.0041"W	4.62	0.36	4.61	
19854.00	90.600	179.920	12400.93	7730.50	-7729.02	272.59	759879.36	443476.90	32°13'1.9899"N	103°37'36.0089"W	0.62	0.62	0.10	
19948.00	89.950	179.870	12400.48	7824.50	-7823.02	272.76	759879.53	443382.90	32°13'1.0598"N	103°37'36.0141"W	0.69	-0.69	-0.05	
20043.00	90.350	179.980	12400.23	7919.50	-7918.02	272.88	759879.65	443287.91	32°13'0.1197"N	103°37'36.0199"W	0.44	0.42	0.12	
20137.00	90.350	180.030	12399.66	8013.49	-8012.01	272.88	759879.65	443193.91	32°12'59.1896"N	103°37'36.0272"W	0.05	0.00	0.05	
20231.00	89.680	179.490	12399.63	8107.49	-8106.01	273.27	759880.04	443099.92	32°12'58.2595"N	103°37'36.0298"W	0.92	-0.71	-0.57	
20324.00	88.470	179.630	12401.13	8200.48	-8199.00	273.98	759880.75	443006.94	32°12'57.3394"N	103°37'36.0286"W	1.31	-1.30	0.15	
20419.00	88.470	180.000	12403.67	8295.44	-8293.96	274.29	759881.06	442911.98	32°12'56.3997"N	103°37'36.0323"W	0.39	0.00	0.39	
20513.00	88.720	179.720	12405.97	8389.41	-8387.93	274.52	759881.29	442818.01	32°12'55.4698"N	103°37'36.0369"W	0.40	0.27	-0.30	
20607.00	89.580	179.600	12407.37	8483.40	-8481.92	275.08	759881.85	442724.03	32°12'54.5398"N	103°37'36.0376"W	0.92	0.91	-0.13	
20701.00	89.830	179.760	12407.85	8577.40	-8575.92	275.60	759882.37	442630.03	32°12'53.6097"N	103°37'36.0386"W	0.32	0.27	0.17	
20795.00	88.910	179.690	12408.89	8671.39	-8669.91	276.05	759882.82	442536.04	32°12'52.6796"N	103°37'36.0406"W	0.98	-0.98	-0.07	
20890.00	88.810	179.590	12410.78	8766.38	-8764.89	276.65	759883.42	442441.07	32°12'51.7397"N	103°37'36.0409"W	0.15	-0.11	-0.11	



Actual Wellpath Report

Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'

Page 10 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH DATA (256 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
20984.00	89.980	179.640	12411.77	8860.37	-8858.88	277.28	759884.05	442347.08	32°12'50.8097"N	103°37'36.0407"W	1.25	1.24	0.05	
21078.00	90.420	179.430	12411.44	8954.37	-8952.88	278.04	759884.81	442253.09	32°12'49.8795"N	103°37'36.0391"W	0.52	0.47	-0.22	
21173.00	90.790	179.590	12410.44	9049.36	-9047.87	278.86	759885.63	442158.10	32°12'48.9395"N	103°37'36.0369"W	0.42	0.39	0.17	
21267.00	90.850	179.410	12409.09	9143.35	-9141.85	279.68	759886.45	442064.12	32°12'48.0095"N	103°37'36.0345"W	0.20	0.06	-0.19	
21361.00	90.910	179.320	12407.65	9237.34	-9235.84	280.72	759887.49	441970.14	32°12'47.0795"N	103°37'36.0296"W	0.12	0.06	-0.10	
21455.00	91.030	179.280	12406.06	9331.32	-9329.82	281.87	759888.64	441876.16	32°12'46.1495"N	103°37'36.0234"W	0.13	0.13	-0.04	
21549.00	91.000	179.320	12404.39	9425.31	-9423.79	283.02	759889.78	441782.19	32°12'45.2195"N	103°37'36.0172"W	0.05	-0.03	0.04	
21642.00	91.930	179.350	12402.01	9518.27	-9516.76	284.09	759890.86	441689.23	32°12'44.2996"N	103°37'36.0118"W	1.00	1.00	0.03	
21737.00	90.820	180.520	12399.73	9613.24	-9611.73	284.20	759890.97	441594.26	32°12'43.3598"N	103°37'36.0178"W	1.70	-1.17	1.23	
21831.00	89.950	180.480	12399.10	9707.23	-9705.72	283.38	759890.15	441500.27	32°12'42.4298"N	103°37'36.0346"W	0.93	-0.93	-0.04	
21925.00	89.950	180.860	12399.18	9801.22	-9799.71	282.28	759889.05	441406.28	32°12'41.4998"N	103°37'36.0545"W	0.40	0.00	0.40	
22019.00	90.880	180.570	12398.50	9895.20	-9893.70	281.11	759887.88	441312.30	32°12'40.5699"N	103°37'36.0754"W	1.04	0.99	-0.31	
22112.00	90.140	180.880	12397.68	9988.18	-9986.69	279.93	759886.70	441219.31	32°12'39.6499"N	103°37'36.0962"W	0.86	-0.80	0.33	
22173.00†	90.492	180.494	12397.34	10049.16	-10047.68	279.20	759885.97	441158.32	32°12'39.0464"N	103°37'36.1094"W	0.86	0.58	-0.63	LTP: 22173.00ft MD (154' FSL & 2130' FEL)
22202.00	90.660	180.310	12397.05	10078.16	-10076.68	279.00	759885.77	441129.32	32°12'38.7595"N	103°37'36.1140"W	0.86	0.58	-0.63	
22227.00‡	90.660	180.310	12396.76	10103.16	-10101.68	278.86	759885.63	441104.33	32°12'38.5121"N	103°37'36.1174"W	0.00	0.00	0.00	Projection to TD: 22227ft MD (2129' FEL & 100' FSL)

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Dos Equis 12-13 Federal Com 73H LP/FTP	12404.00	1.62	219.92	759826.69	451207.24	32°14'18.4874"N	103°37'36.0301"W	point
Dos Equis 12-13 Federal Com 73H LTP/PBHL	12404.00	-10101.98	280.00	759886.77	441104.03	32°12'38.5091"N	103°37'36.1042"W	point



Actual Wellpath Report

Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'

Page 11 of 11



REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Dos Equis 12-13 Federal Com 73H
Field	WC-025-G-08 S243413C: Wolfcamp - Lea County, NM (NAD-83)	API	30-025-46323-00
Facility	Dos Equis 12-13 Federal Com	Wellbore	Dos Equis 12-13 Federal Com 73H AWB
Slot	Dos Equis 12-13 Federal Com 73H		

WELLPATH COMPOSITION - Ref Wellbore: Dos Equis 12-13 Federal Com 73H AWB Ref Wellpath: Dos Equis 12-13 Federal Com 73H_awp 218'-22202' Proj: 22227'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.00	1170.00	OWSG MWD rev2+IFR1+MS	14-3/4" Trueshot MWD Surveys 218'-1170'	Dos Equis 12-13 Federal Com 73H AWB	04/Nov/2020
1170.00	11686.00	OWSG MWD rev2+IFR1+MS	9-7/8" Trueshot MWD Surveys 1256'-11686'	Dos Equis 12-13 Federal Com 73H AWB	06/Nov/2020
11686.00	12105.00	OWSG MWD rev2+IFR1+MS	8-3/4" BH NT MWD Surveys 11759'-12105'	Dos Equis 12-13 Federal Com 73H AWB	14/Nov/2020
12105.00	22227.00	OWSG MWD rev2+IFR1+MS	6-3/4" BH Lucida MWD Surveys 12228'-22202'	Dos Equis 12-13 Federal Com 73H AWB	02/Dec/2020

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

Well Name: DOS EQUIS 12-13 FEDERAL COM	Well Location: T24S / R32E / SEC 12 / NWNE / 32.238468 / -103.627386	County or Parish/State: LEA / NM
Well Number: 73H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0002889, NMNM02889	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546323	Well Status: Drilling Well	Operator: CIMAREX ENERGY COMPANY

Subsequent Report

Sundry ID: 2643439	
Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 11/08/2021	Time Sundry Submitted: 12:36
Date Operation Actually Began: 04/02/2021	

Actual Procedure: 4/2/2021 Test prod csg to 12,800# for 30mins, good test. 5/7/21 - 5/20/21 Perf & Frac 46 stages 12,651 - 22,173, 1288 holes w/ 18,109,514 gals slick water, 23,030,504# 100 mesh sand. 5/22/21 Drill out plugs, PBTD @ 22,198. 5/27/21 Turn to production. 5/22/21 1st Production. 9/27/21 Ran 10 gas lift valves w/357jts 2-7/8, 6.5#, L-80 @ 11,723.

Well Name: DOS EQUIS 12-13 FEDERAL COM	Well Location: T24S / R32E / SEC 12 / NWNE / 32.238468 / -103.627386	County or Parish/State: LEA / NM
Well Number: 73H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0002889, NMNM02889	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546323	Well Status: Drilling Well	Operator: CIMAREX ENERGY COMPANY

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: KANICIA SCHLICHTING	Signed on: NOV 08, 2021 12:36 PM
Name: CIMAREX ENERGY COMPANY	
Title: Regulatory Analyst	
Street Address: 600 N MARIENFELD ST SUITE 600	
City: MIDLAND	State: TX
Phone: (432) 571-7894	
Email address: KSCHLICHTING@CIMAREX.COM	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

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. 30-025-46323		
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 Dos Equis 12-13 Federal Com		
								6. Well Number: 73H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator Cimarex Energy Company						9. OGRID 215099				
10. Address of Operator 600 N. Marienfeld St., Suite 600 Midland, TX 79701						11. Pool name or Wildcat WC-025 G-08 S243213C; Wolfcamp 98309				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	12	24S	32E		360	North	2350	East	Lea
BH:	O	13	24S	32E		100	South	2131	East	Lea
13. Date Spudded 11/03/20	14. Date T.D. Reached 12/11/20		15. Date Rig Released 12/18/20			16. Date Completed (Ready to Produce) 5/27/21		17. Elevations (DF and RKB, RT, GR, etc.) 3604		
18. Total Measured Depth of Well 22,227			19. Plug Back Measured Depth 22198			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Gamma Ray		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,651 - 22,173										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10-3/4		40.5#		1237		14-3/4		879		
7-5/8		29.7#		12,162		9-7/8, 8-3/4		2448		
5		18#		22213		6-3/4		1189		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
						2-7/8	11723			
26. Perforation record (interval, size, and number) 12,651 - 22,173 1288 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,651 - 22,173		18,109,514 gals Slick water		
								23,030,504# 100 Mesh sand		
28. PRODUCTION										
Date First Production 5/22/21		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Gas Lift				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 6/9/2021	Hours Tested 24hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 1852	Gas - MCF 4670	Water - Bbl. 3258	Gas - Oil Ratio 2521			
Flow Tubing Press.	Casing Pressure 3429	Calculated 24-Hour Rate	Oil - Bbl. 1852	Gas - MCF 4670	Water - Bbl. 3258	Oil Gravity - API - (<i>Corr.</i>) 47				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold								30. Test Witnessed By Josh Jones		
31. List Attachments C-105, C-102, Additional points required, Survey										
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 Printed Signature  Name Kanicia Schlichting Title Regulatory Analyst Date 12/14/21 E-mail Address kschlichting@cimarex.com										

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

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 1163	T. Lamar 4909	T. Ojo Alamo	T. Penn A "
T. Salt 1545	T. Bell Canyon 4947	T. Kirtland	T. Penn. "B"
B. Salt 4674	T. Cherry Canyon 5874	T. Fruitland	T. Penn. "C"
T. Yates	T. Brushy Canyon 7311	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Top Bone Spring 8878	T. Cliff House	T. Leadville
T. Queen	T. Avalon 9353	T. Menefee	T. Madison
T. Grayburg	T. 1st Bone Spring Sand 9983	T. Point Lookout	T. Elbert
T. San Andres	T. 2nd Bone Spring Carb 10,406	T. Mancos	T. McCracken
T. Glorieta	T. 2nd Bone Spring Sand 10,622	T. Gallup	T. Ignacio Otzte
T. Paddock	T. 3rd Bone Spring Carb 11,087	Base Greenhorn	T. Granite
T. Blinebry	T. 3rd Bone Spring Sand 11,881	T. Dakota	
T. Tubb	T. Wolfcamp 12,310	T. Morrison	
T. Drinkard	T.	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

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

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

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

District I

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

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 66998

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 66998
	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.

District I

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

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 66998

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 66998
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	4/26/2022