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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 30-025-46319		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 3H	
⁷ OGRID No. 215099		⁸ Operator Name CIMAREX ENERGY CO.		⁹ Elevation 3608.2'	

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
C	12	24S	32E		255	NORTH	1620	WEST	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
O	13	24S	32E		100	SOUTH	2065	EAST	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.

¹⁶ NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°14'19.51" (32.238754°) LONGITUDE = 103°37'53.68" (103.631578°) NAD 27 (SURFACE HOLE LOCATION) LATITUDE = 32°14'19.07" (32.238630°) LONGITUDE = 103°37'51.95" (103.631097°) STATE PLANE NAD 83 (N.M. EAST) N: 451301.05' E: 758310.16' STATE PLANE NAD 27 (N.M. EAST) N: 451242.08' E: 717126.18' NAD 83 (LPP #1) LATITUDE = 32°14'21.06" (32.239183°) LONGITUDE = 103°37'35.27" (103.626464°) NAD 27 (LPP #1) LATITUDE = 32°14'20.62" (32.239060°) LONGITUDE = 103°37'33.54" (103.625984°) STATE PLANE NAD 83 (N.M. EAST) N: 451467.67' E: 759890.17' STATE PLANE NAD 27 (N.M. EAST) N: 451408.70' E: 718706.20' NAD 83 (LPP #2) LATITUDE = 32°13'55.92" (32.232199°) LONGITUDE = 103°37'35.29" (103.626469°) NAD 27 (LPP #2) LATITUDE = 32°13'55.47" (32.232076°) LONGITUDE = 103°37'33.56" (103.625989°) STATE PLANE NAD 83 (N.M. EAST) N: 448926.95' E: 759905.27' STATE PLANE NAD 27 (N.M. EAST) N: 448868.05' E: 718721.19' NAD 83 (LPP #3) LATITUDE = 32°13'29.80" (32.224944°) LONGITUDE = 103°37'35.31" (103.626475°) NAD 27 (LPP #3) LATITUDE = 32°13'29.35" (32.224820°) LONGITUDE = 103°37'33.58" (103.625995°) STATE PLANE NAD 83 (N.M. EAST) N: 446287.27' E: 759930.96' STATE PLANE NAD 27 (N.M. EAST) N: 446228.42' E: 718736.76' NAD 83 (BHL/LTP) LATITUDE = 32°12'38.51" (32.210697°) LONGITUDE = 103°37'35.35" (103.626486°) NAD 27 (BHL/LTP) LATITUDE = 32°12'38.06" (32.210573°) LONGITUDE = 103°37'33.62" (103.626007°) STATE PLANE NAD 83 (N.M. EAST) N: 441104.55' E: 759951.76' STATE PLANE NAD 27 (N.M. EAST) N: 441045.83' E: 718767.32'	SCALE REV: 4 08-05-22 T.J.S. (WELL BORE CHANGES) SW Cor. Sec. 14 SW Cor. Sec. 24 LINE TABLE <table border="1"> <thead> <tr> <th>LINE</th> <th>DIRECTION</th> <th>LENGTH</th> </tr> </thead> <tbody> <tr> <td>L1</td> <td>N84°13'12"E</td> <td>1589.05'</td> </tr> <tr> <td>L2</td> <td>S00°08'02"E</td> <td>2541.21'</td> </tr> <tr> <td>L3</td> <td>S00°06'02"E</td> <td>2640.20'</td> </tr> <tr> <td>L4</td> <td>S00°06'02"E</td> <td>2642.28'</td> </tr> <tr> <td>L5</td> <td>S00°06'02"E</td> <td>2541.44'</td> </tr> </tbody> </table> E 1/4 Cor. Sec. 24 R 32 E R 33 E	LINE	DIRECTION	LENGTH	L1	N84°13'12"E	1589.05'	L2	S00°08'02"E	2541.21'	L3	S00°06'02"E	2640.20'	L4	S00°06'02"E	2642.28'	L5	S00°06'02"E	2541.44'	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. Signature: <i>B. Jordan</i> 8/19/2022 Date Printed Name: Brittany Gordon Signature: <i>brittany.gordon@coterra.com</i> E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. April 23, 2018 Date of Survey Signature and Seal of Professional Surveyor: <i>Paul Buchele</i> 23782 08-05-22 PROFESSIONAL SURVEYOR Certificate Number: ● = SURFACE HOLE LOCATION ◆ = LPP/LANDING POINT/FIRST TAKE POINT ○ = BOTTOM HOLE LOCATION/ LAST TAKE POINT ▲ = SECTION CORNER LOCATED △ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.) NOTE: • Distances referenced on plat to section lines are perpendicular. • Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
LINE	DIRECTION	LENGTH																		
L1	N84°13'12"E	1589.05'																		
L2	S00°08'02"E	2541.21'																		
L3	S00°06'02"E	2640.20'																		
L4	S00°06'02"E	2642.28'																		
L5	S00°06'02"E	2541.44'																		



Cimarex Dos Equis 12-13 Federal Com #3H Rev2 kFc 05Aug22 Proposal
Geodetic Report
(Def Plan)



30-025-46319

Report Date: August 05, 2022 - 03:35 PM
Client: Cimarex Energy
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Dos Equis 12-13 Federal Com #3H / 3H
Well: Dos Equis 12-13 Federal Com #3H
Borehole: Dos Equis 12-13 Federal Com #3H
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Dos Equis 12-13 Federal Com #3H Rev2 kFc 05Aug22
Survey Date: December 20, 2018
Tort / AHD / DDI / ERD Ratio: 119.999 * / 11954.465 ft / 6.411 / 0.925
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 14' 19.51406", W 103° 37' 53.67948"
Location Grid N/E Y/X: N 451301.050 IUS, E 758310.160 IUS
CRS Grid Convergence Angle: 0.3744 *
Grid Scale Factor: 0.99999301
Version / Patch: 2.10.832.2

Survey / DLS Computation:
Vertical Section Azimuth: 179.670 * (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3634.200 ft above MSL
Seabed / Ground Elevation: 3608.200 ft above MSL
Magnetic Declination: 0.325 *
Total Gravity Field Strength: 998.4380 mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47573.095 nT
Magnetic Dip Angle: 59.831 *
Declination Date: August 05, 2022
Magnetic Declination Model: HDGM 2022
North Reference: Grid North
Grid Convergence Used: 0.3744 *
Total Corr Mag North->Grid: 5.9510 *
North: Well Head
Local Coord Referenced To:

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (*/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S °)	Longitude (E/W °)
SfHL [255' FNL, 1620' FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	451301.05	758310.16	N 32.238754	W 103.631578
	100.00	0.00	83.99	100.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	200.00	0.00	83.99	200.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	300.00	0.00	83.99	300.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	400.00	0.00	83.99	400.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	500.00	0.00	83.99	500.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	600.00	0.00	83.99	600.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	700.00	0.00	83.99	700.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	800.00	0.00	83.99	800.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	900.00	0.00	83.99	900.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	1000.00	0.00	83.99	1000.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	1100.00	0.00	83.99	1100.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
Rustler	1185.00	0.00	83.99	1185.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	1200.00	0.00	83.99	1200.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	1300.00	0.00	83.99	1300.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	1400.00	0.00	83.99	1400.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
Salado (Top Salt) Nudge, Build 2*/100ft	1500.00	0.00	83.99	1500.00	0.00	0.00	0.00	0.00	451301.05	758310.16	N 32.238754	W 103.631578
	1600.00	2.00	83.99	1599.08	-0.17	0.18	1.74	2.00	451301.23	758311.90	N 32.238754	W 103.631572
	1700.00	4.00	83.99	1699.84	-0.69	0.73	6.94	2.00	451301.78	758317.10	N 32.238755	W 103.631555
	1800.00	6.00	83.99	1799.45	-1.55	1.64	15.61	2.00	451302.69	758325.77	N 32.238759	W 103.631527
	1900.00	8.00	83.99	1898.70	-2.70	2.92	27.73	2.00	451303.97	758337.89	N 32.238761	W 103.631488
	2000.00	10.00	83.99	1997.47	-4.31	4.50	43.28	2.00	451305.61	758353.44	N 32.238766	W 103.631438
	2100.00	12.00	83.99	2095.62	-6.20	6.58	62.26	2.00	451307.61	758372.42	N 32.238771	W 103.631376
	2200.00	14.00	83.99	2193.06	-8.43	8.91	84.63	2.00	451309.90	758394.70	N 32.238777	W 103.631304
Hold	2249.99	15.00	83.99	2241.45	-9.67	10.22	97.07	2.00	451311.27	758407.23	N 32.238784	W 103.631222
	2300.00	15.00	83.99	2289.76	-10.95	11.58	109.95	0.00	451312.63	758420.10	N 32.238791	W 103.631139
	2400.00	15.00	83.99	2386.35	-13.51	14.29	135.69	0.00	451315.34	758445.84	N 32.238798	W 103.631055
	2500.00	15.00	83.99	2482.94	-16.07	17.00	161.43	0.00	451318.05	758471.58	N 32.238805	W 103.630972
	2600.00	15.00	83.99	2579.54	-18.64	19.71	187.17	0.00	451320.76	758497.32	N 32.238812	W 103.630889
	2700.00	15.00	83.99	2676.13	-21.20	22.42	212.90	0.00	451323.47	758523.06	N 32.238819	W 103.630805
	2800.00	15.00	83.99	2772.72	-23.76	25.14	238.64	0.00	451326.18	758548.79	N 32.238826	W 103.630722
	2900.00	15.00	83.99	2869.31	-26.32	27.85	264.38	0.00	451328.90	758574.53	N 32.238833	W 103.630639
	3000.00	15.00	83.99	2965.91	-28.89	30.58	290.12	0.00	451331.61	758600.27	N 32.238840	W 103.630555
	3100.00	15.00	83.99	3062.50	-31.45	33.27	315.86	0.00	451334.32	758626.01	N 32.238847	W 103.630472
	3200.00	15.00	83.99	3159.09	-34.01	35.98	341.60	0.00	451337.03	758651.75	N 32.238854	W 103.630389
	3300.00	15.00	83.99	3255.69	-36.57	38.69	367.34	0.00	451339.74	758677.48	N 32.238861	W 103.630306
	3400.00	15.00	83.99	3352.28	-39.14	41.40	393.08	0.00	451342.45	758703.22	N 32.238868	W 103.630222
	3500.00	15.00	83.99	3448.87	-41.70	44.11	418.82	0.00	451345.16	758728.96	N 32.238875	W 103.630139
	3600.00	15.00	83.99	3545.46	-44.26	46.82	444.56	0.00	451347.87	758754.70	N 32.238882	W 103.630056
	3700.00	15.00	83.99	3642.06	-46.83	49.54	470.29	0.00	451350.58	758780.44	N 32.238889	W 103.629972
	3800.00	15.00	83.99	3738.65	-49.39	52.25	496.03	0.00	451353.29	758806.17	N 32.238896	W 103.629889
	3900.00	15.00	83.99	3835.24	-51.95	54.96	521.77	0.00	451356.01	758831.91	N 32.238903	W 103.629806
	4000.00	15.00	83.99	3931.83	-54.51	57.67	547.51	0.00	451358.72	758857.65	N 32.238910	W 103.629722
	4100.00	15.00	83.99	4028.43	-57.08	60.38	573.25	0.00	451361.43	758883.39	N 32.238917	W 103.629639
	4200.00	15.00	83.99	4125.02	-59.64	63.09	598.99	0.00	451364.14	758909.13	N 32.238924	W 103.629556
	4300.00	15.00	83.99	4221.61	-62.20	65.80	624.73	0.00	451366.85	758934.86	N 32.238931	W 103.629473
	4400.00	15.00	83.99	4318.21	-64.76	68.51	650.47	0.00	451369.56	758960.60	N 32.238938	W 103.629389
	4500.00	15.00	83.99	4414.80	-67.33	71.22	676.21	0.00	451372.27	758986.34	N 32.238945	W 103.629306
	4600.00	15.00	83.99	4511.39	-69.89	73.93	701.95	0.00	451374.98	759012.08	N 32.238952	W 103.629223
	4700.00	15.00	83.99	4607.98	-72.45	76.65	727.69	0.00	451377.69	759037.82	N 32.238959	W 103.629139
Base of Salt	4743.50	15.00	83.99	4650.00	-73.57	77.82	738.68	0.00	451378.87	759049.01	N 32.238965	W 103.629056
	4800.00	15.00	83.99	4704.58	-75.02	79.36	753.42	0.00	451380.40	759063.58	N 32.238972	W 103.628973
	4900.00	15.00	83.99	4801.17	-77.58	82.07	779.16	0.00	451383.11	759089.29	N 32.238979	W 103.628890
	5000.00	15.00	83.99	4897.76	-80.14	84.78	804.90	0.00	451385.83	759115.03	N 32.238986	W 103.628807
Delaware Sands	5023.02	15.00	83.99	4920.00	-80.73	85.40	810.83	0.00	451386.45	759120.96	N 32.238993	W 103.628724
	5100.00	15.00	83.99	4994.35	-82.70	87.49	830.64	0.00	451388.54	759140.77	N 32.238999	W 103.628641
	5200.00	15.00	83.99	5090.05	-85.27	90.20	856.38	0.00	451391.25	759160.51	N 32.239006	W 103.628558
	5300.00	15.00	83.99	5187.54	-87.83	92.91	882.12	0.00	451393.96	759180.25	N 32.239013	W 103.628475
	5400.00	15.00	83.99	5284.13	-90.39	95.62	907.86	0.00	451396.67	759200.00	N 32.239019	W 103.628392
	5500.00	15.00	83.99	5380.72	-92.96	98.33	933.60	0.00	451399.38	759223.72	N 32.239026	W 103.628309
	5600.00	15.00	83.99	5477.32	-95.52	101.04	959.34	0.00	451402.09	759247.44	N 32.239033	W 103.628226
	5700.00	15.00	83.99	5573.91	-98.08	103.76	985.08	0.00	451404.80	759271.16	N 32.239040	W 103.628143
	5800.00	15.00	83.99	5670.50	-100.64	106.47	1010.82	0.00	451407.51	759294.88	N 32.239047	W 103.628060
	5900.00	15.00	83.99	5767.10	-103.21	109.18	1036.55	0.00	451410.22	759318.60	N 32.239054	W 103.627977
	6000.00	15.00	83.99	5863.69	-105.77	111.89	1062.29	0.00	451412.93	759342.32	N 32.239061	W 103.627894
	6100.00	15.00	83.99	5960.28	-108.33	114.60	1088.03	0.00	451415.64	759366.04	N 32.239068	W 103.627811
	6200.00	15.00	83.99	6056.87	-110.89	117.31	1113.77	0.00	451418.35	759389.76	N 32.239075	W 103.627728
	6300.00	15.00	83.99	6153.47	-113.46	120.02	1139.51	0.00	451421.06	759413.48	N 32.239082	W 103.627645
	6400.00	15.00	83.99	6250.06	-116.02	122.73	1165.25	0.00	451423.77	759437.20	N 32.239089	W 103.627562
	6500.00	15.00	83.99	6346.65	-118.58	125.44	1190.99	0.00	451426.48	759460.92	N 32.239096	W 103.627479
	6600.00	15.00	83.99	6443.24	-121.15	128.16	1216.73	0.00	451429.19	759484.64	N 32.239103	W 103.627396
	6700.00	15.00	83.99	6539.84	-123.71	130.87	1242.47	0.00	451431.91	759508.36	N 32.239110	W 103.627313
	6800.00	15.00	83.99	6636.43	-126.27	133.58	1268.21	0.00	451434.62	759532.08	N 32.239117	W 103.627230

...Dos Equis 12-13 Federal Com #3H Cimarex Dos Equis 12-13 Federal Com #3H Rev2 kFc 05Aug22

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S °)	Longitude (E/W °)	
Drop 2°/100ft	6900.00	15.00	83.99	6733.02	-128.83	138.29	1293.94	0.00	451437.33	759804.05	N 32.239105	W 103.627390	
	7000.00	15.00	83.99	6828.62	-131.40	139.00	1319.68	0.00	451440.04	759820.70	N 32.239112	W 103.627307	
	7100.00	15.00	83.99	6928.21	-133.98	141.71	1345.42	0.00	451442.76	759855.53	N 32.239119	W 103.627224	
	7200.00	15.00	83.99	7022.80	-136.52	144.42	1371.16	0.00	451445.47	759881.27	N 32.239126	W 103.627140	
	7300.00	15.00	83.99	7119.39	-139.08	147.13	1398.00	0.00	451448.18	759707.01	N 32.239133	W 103.627057	
	7400.00	15.00	83.99	7215.99	-141.65	149.84	1422.64	0.00	451450.89	759732.74	N 32.239140	W 103.626974	
	7500.00	15.00	83.99	7312.58	-144.21	152.55	1448.38	0.00	451453.60	759758.48	N 32.239147	W 103.626890	
	7600.00	15.00	83.99	7408.17	-146.77	155.27	1474.12	0.00	451456.31	759784.22	N 32.239154	W 103.626807	
	7642.03	15.00	83.99	7448.77	-147.85	155.41	1484.94	0.00	451457.45	759785.04	N 32.239157	W 103.626772	
	7700.00	13.84	83.99	7505.91	-149.28	157.92	1499.29	2.00	451458.96	759809.39	N 32.239161	W 103.626728	
	7800.00	11.84	83.99	7603.41	-151.48	160.25	1521.39	2.00	451461.29	759831.49	N 32.239167	W 103.626654	
	7900.00	9.84	83.99	7701.62	-153.34	162.22	1540.10	2.00	451463.26	759850.20	N 32.239172	W 103.626594	
	8000.00	7.84	83.99	7800.42	-154.88	163.82	1555.38	2.00	451464.87	759865.48	N 32.239176	W 103.626544	
	8100.00	5.84	83.99	7899.71	-156.04	165.07	1567.22	2.00	451466.12	759877.32	N 32.239179	W 103.626508	
	8200.00	3.84	83.99	7999.35	-156.88	165.88	1575.81	2.00	451467.00	759885.71	N 32.239182	W 103.626479	
	8300.00	1.84	83.99	8099.22	-157.37	166.48	1580.54	2.00	451467.52	759890.84	N 32.239183	W 103.626403	
Hold	8392.02	0.00	83.99	8191.22	-157.52	166.83	1582.01	2.00	451467.67	759892.11	N 32.239183	W 103.626458	
	8400.00	0.00	83.99	8199.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	8500.00	0.00	83.99	8299.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	8600.00	0.00	83.99	8399.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	8700.00	0.00	83.99	8499.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	8800.00	0.00	83.99	8599.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	8900.00	0.00	83.99	8699.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	9000.00	0.00	83.99	8799.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	Bono Spring	9015.80	0.00	83.99	8816.00	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458
	9100.00	0.00	83.99	8999.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	9200.00	0.00	83.99	8999.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	9300.00	0.00	83.99	9099.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	9400.00	0.00	83.99	9199.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	9500.00	0.00	83.99	9299.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	9600.00	0.00	83.99	9399.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
	9700.00	0.00	83.99	9499.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
9800.00	0.00	83.99	9599.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
9900.00	0.00	83.99	9699.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
10000.00	0.00	83.99	9799.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
10100.00	0.00	83.99	9899.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
1st Bono Spring Sand	10110.80	0.00	83.99	9910.00	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
10200.00	0.00	83.99	9999.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
10300.00	0.00	83.99	10099.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
10400.00	0.00	83.99	10199.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
10500.00	0.00	83.99	10299.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
10600.00	0.00	83.99	10399.20	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
10700.00	0.00	83.99	10499.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
10800.00	0.00	83.99	10599.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
2nd Bono Spring Sand	10835.80	0.00	83.99	10835.00	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
10900.00	0.00	83.99	10999.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
11000.00	0.00	83.99	10799.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
11100.00	0.00	83.99	10899.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
11200.00	0.00	83.99	10999.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
3rd Bono Spring Carb	11285.80	0.00	83.99	11085.00	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
11300.00	0.00	83.99	11099.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
11400.00	0.00	83.99	11199.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
11500.00	0.00	83.99	11299.20	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
11600.00	0.00	83.99	11399.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
11700.00	0.00	83.99	11499.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
11800.00	0.00	83.99	11599.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
11900.00	0.00	83.99	11699.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
12000.00	0.00	83.99	11799.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
3rd Bono Spring Sand	12035.80	0.00	83.99	11835.00	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
12100.00	0.00	83.99	11899.20	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
12200.00	0.00	83.99	11999.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
12300.00	0.00	83.99	12099.20	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
12400.00	0.00	83.99	12199.20	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
Wolfcamp	12445.80	0.00	83.99	12245.00	-157.52	166.63	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
12500.00	0.00	83.99	12299.20	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458		
KOP, Build 10°/100ft	12528.32	0.00	83.99	12327.62	-157.52	166.83	1582.01	0.00	451467.67	759892.11	N 32.239183	W 103.626458	
Wolfcamp XY Target	12565.82	3.78	179.67	12365.00	-158.29	185.40	1582.02	10.00	451466.45	759892.12	N 32.239180	W 103.626458	
Wolfcamp A1	12600.00	7.17	179.67	12399.02	-153								

Comments	MD (ft)	Incl (°)	Azin Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S °)	Longitude (E/W °)
	15400.00	90.00	179.67	12920.00	2385.42	-2376.28	1598.66	0.00	446924.88	759906.76	N 32.232184	W 103.626465
	15500.00	90.00	179.67	12920.00	2485.42	-2476.28	1597.24	0.00	446824.80	759907.33	N 32.231910	W 103.626465
	15600.00	90.00	179.67	12920.00	2585.42	-2576.28	1597.01	0.00	446724.80	759907.01	N 32.231644	W 103.626465
	15700.00	90.00	179.67	12920.00	2685.42	-2676.25	1598.39	0.00	446624.60	759908.49	N 32.231369	W 103.626465
	15800.00	90.00	179.67	12920.00	2785.42	-2776.25	1598.96	0.00	446524.00	759909.06	N 32.231094	W 103.626466
	15900.00	90.00	179.67	12920.00	2885.42	-2876.25	1599.54	0.00	446424.91	759909.64	N 32.230819	W 103.626466
	16000.00	90.00	179.67	12920.00	2985.42	-2976.25	1600.12	0.00	446324.92	759910.21	N 32.230545	W 103.626466
	16100.00	90.00	179.67	12920.00	3085.42	-3076.25	1600.69	0.00	446224.92	759910.78	N 32.230270	W 103.626467
	16200.00	90.00	179.67	12920.00	3185.42	-3176.25	1601.27	0.00	446124.93	759911.37	N 32.229995	W 103.626467
	16300.00	90.00	179.67	12920.00	3285.42	-3276.25	1601.84	0.00	446024.93	759911.94	N 32.229720	W 103.626467
	16400.00	90.00	179.67	12920.00	3385.42	-3376.24	1602.42	0.00	445924.94	759912.52	N 32.229445	W 103.626467
	16500.00	90.00	179.67	12920.00	3485.42	-3476.24	1603.00	0.00	445824.94	759913.09	N 32.229170	W 103.626468
	16600.00	90.00	179.67	12920.00	3585.42	-3576.24	1603.57	0.00	445724.95	759913.67	N 32.228895	W 103.626468
	16700.00	90.00	179.67	12920.00	3685.42	-3676.24	1604.15	0.00	445624.95	759914.25	N 32.228621	W 103.626468
	16800.00	90.00	179.67	12920.00	3785.42	-3776.24	1604.73	0.00	445524.96	759914.82	N 32.228346	W 103.626468
	16900.00	90.00	179.67	12920.00	3885.42	-3876.24	1605.30	0.00	445424.97	759915.40	N 32.228071	W 103.626469
	17000.00	90.00	179.67	12920.00	3985.42	-3976.23	1605.88	0.00	445324.97	759915.97	N 32.227796	W 103.626469
	17100.00	90.00	179.67	12920.00	4085.42	-4076.23	1606.45	0.00	445224.98	759916.55	N 32.227521	W 103.626469
	17200.00	90.00	179.67	12920.00	4185.42	-4176.23	1607.03	0.00	445124.98	759917.13	N 32.227246	W 103.626470
	17300.00	90.00	179.67	12920.00	4285.42	-4276.23	1607.61	0.00	445024.99	759917.70	N 32.226971	W 103.626470
	17400.00	90.00	179.67	12920.00	4385.42	-4376.23	1608.18	0.00	444924.99	759918.28	N 32.226696	W 103.626470
	17500.00	90.00	179.67	12920.00	4485.42	-4476.23	1608.76	0.00	444825.00	759918.86	N 32.226422	W 103.626470
	17600.00	90.00	179.67	12920.00	4585.42	-4576.22	1609.33	0.00	444725.00	759919.43	N 32.226147	W 103.626470
	17700.00	90.00	179.67	12920.00	4685.42	-4676.22	1609.91	0.00	444625.01	759920.01	N 32.225872	W 103.626471
	17800.00	90.00	179.67	12920.00	4785.42	-4776.22	1610.49	0.00	444525.02	759920.58	N 32.225597	W 103.626471
	17900.00	90.00	179.67	12920.00	4885.42	-4876.22	1611.06	0.00	444425.02	759921.16	N 32.225322	W 103.626471
	18000.00	90.00	179.67	12920.00	4985.42	-4976.22	1611.64	0.00	444325.03	759921.74	N 32.225047	W 103.626472

Section 12-13
Line Crossing
NMNM0002889
exit to
NMNM0553548
enter Lease
Crossing

18037.74	90.00	179.67	12920.00	5023.16	-5013.96	1611.86	0.00	446287.29	759921.95	N 32.224944	W 103.626472
18100.00	90.00	179.67	12920.00	5085.42	-5076.22	1612.21	0.00	446225.03	759922.31	N 32.224772	W 103.626472
18200.00	90.00	179.67	12920.00	5185.42	-5176.21	1612.79	0.00	446125.04	759922.89	N 32.224498	W 103.626472
18300.00	90.00	179.67	12920.00	5285.42	-5276.21	1613.37	0.00	446025.04	759923.48	N 32.224223	W 103.626472
18400.00	90.00	179.67	12920.00	5385.42	-5376.21	1613.94	0.00	445925.05	759924.04	N 32.223948	W 103.626473
18500.00	90.00	179.67	12920.00	5485.42	-5476.21	1614.52	0.00	445825.06	759924.62	N 32.223673	W 103.626473
18600.00	90.00	179.67	12920.00	5585.42	-5576.21	1615.09	0.00	445725.06	759925.19	N 32.223398	W 103.626473
18700.00	90.00	179.67	12920.00	5685.42	-5676.21	1615.67	0.00	445625.07	759925.77	N 32.223123	W 103.626473
18800.00	90.00	179.67	12920.00	5785.42	-5776.20	1616.25	0.00	445525.07	759926.34	N 32.222848	W 103.626474
18900.00	90.00	179.67	12920.00	5885.42	-5876.20	1616.82	0.00	445425.08	759926.92	N 32.222574	W 103.626474
19000.00	90.00	179.67	12920.00	5985.42	-5976.20	1617.40	0.00	445325.08	759927.50	N 32.222299	W 103.626474
19100.00	90.00	179.67	12920.00	6085.42	-6076.20	1617.98	0.00	445225.09	759928.07	N 32.222024	W 103.626474
19200.00	90.00	179.67	12920.00	6185.42	-6176.20	1618.55	0.00	445125.09	759928.65	N 32.221749	W 103.626475
19300.00	90.00	179.67	12920.00	6285.42	-6276.20	1619.13	0.00	445025.10	759929.22	N 32.221474	W 103.626475
19400.00	90.00	179.67	12920.00	6385.42	-6376.19	1619.70	0.00	444925.11	759929.80	N 32.221199	W 103.626475
19500.00	90.00	179.67	12920.00	6485.42	-6476.19	1620.28	0.00	444825.11	759930.38	N 32.220924	W 103.626476
19600.00	90.00	179.67	12920.00	6585.42	-6576.19	1620.86	0.00	444725.12	759930.95	N 32.220649	W 103.626476
19700.00	90.00	179.67	12920.00	6685.42	-6676.19	1621.43	0.00	444625.12	759931.53	N 32.220375	W 103.626476
19800.00	90.00	179.67	12920.00	6785.42	-6776.19	1622.01	0.00	444525.13	759932.10	N 32.220100	W 103.626476

Lease
NMNM0553548 -
NMNM0553642
Crossing

19900.00	90.00	179.67	12920.00	6885.42	-6876.19	1622.58	0.00	444425.13	759932.68	N 32.219825	W 103.626477
20000.00	90.00	179.67	12920.00	6985.42	-6976.18	1623.16	0.00	444325.14	759933.26	N 32.219550	W 103.626477
20100.00	90.00	179.67	12920.00	7085.42	-7076.18	1623.74	0.00	444225.14	759933.83	N 32.219275	W 103.626477
20200.00	90.00	179.67	12920.00	7185.42	-7176.18	1624.31	0.00	444125.15	759934.41	N 32.219000	W 103.626477
20300.00	90.00	179.67	12920.00	7285.42	-7276.18	1624.89	0.00	444025.16	759934.98	N 32.218725	W 103.626478
20400.00	90.00	179.67	12920.00	7385.42	-7376.18	1625.46	0.00	443925.16	759935.56	N 32.218451	W 103.626478
20500.00	90.00	179.67	12920.00	7485.42	-7476.18	1626.04	0.00	443825.17	759936.14	N 32.218176	W 103.626478
20600.00	90.00	179.67	12920.00	7585.42	-7576.17	1626.62	0.00	443725.17	759936.71	N 32.217901	W 103.626478
20700.00	90.00	179.67	12920.00	7685.42	-7676.17	1627.19	0.00	443625.18	759937.29	N 32.217626	W 103.626479
20800.00	90.00	179.67	12920.00	7785.42	-7776.17	1627.77	0.00	443525.19	759937.87	N 32.217351	W 103.626479
20900.00	90.00	179.67	12920.00	7885.42	-7876.17	1628.34	0.00	443425.19	759938.44	N 32.217076	W 103.626479
21000.00	90.00	179.67	12920.00	7985.42	-7976.17	1628.92	0.00	443325.19	759939.02	N 32.216801	W 103.626479
21100.00	90.00	179.67	12920.00	8085.42	-8076.17	1629.50	0.00	443225.20	759939.59	N 32.216526	W 103.626480
21200.00	90.00	179.67	12920.00	8185.42	-8176.16	1630.07	0.00	443125.21	759940.17	N 32.216252	W 103.626480
21300.00	90.00	179.67	12920.00	8285.42	-8276.16	1630.65	0.00	443025.21	759940.75	N 32.215977	W 103.626480
21400.00	90.00	179.67	12920.00	8385.42	-8376.16	1631.22	0.00	442925.22	759941.32	N 32.215702	W 103.626481
21500.00	90.00	179.67	12920.00	8485.42	-8476.16	1631.80	0.00	442825.22	759941.90	N 32.215427	W 103.626481
21600.00	90.00	179.67	12920.00	8585.42	-8576.16	1632.38	0.00	442725.23	759942.47	N 32.215152	W 103.626481
21700.00	90.00	179.67	12920.00	8685.42	-8676.16	1632.95	0.00	442625.23	759943.05	N 32.214877	W 103.626481
21800.00	90.00	179.67	12920.00	8785.42	-8776.15	1633.53	0.00	442525.24	759943.63	N 32.214602	W 103.626482
21900.00	90.00	179.67	12920.00	8885.42	-8876.15	1634.11	0.00	442425.24	759944.20	N 32.214327	W 103.626482
22000.00	90.00	179.67	12920.00	8985.42	-8976.15	1634.68	0.00	442325.25	759944.78	N 32.214053	W 103.626482
22100.00	90.00	179.67	12920.00	9085.42	-9076.15	1635.26	0.00	442225.26	759945.35	N 32.213778	W 103.626482
22200.00	90.00	179.67	12920.00	9185.42	-9176.15	1635.83	0.00	442125.26	759945.93	N 32.213503	W 103.626483
22300.00	90.00	179.67	12920.00	9285.42	-9276.15	1636.41	0.00	442025.27	759946.51	N 32.213228	W 103.626483
22400.00	90.00	179.67	12920.00	9385.42	-9376.14	1636.99	0.00	441925.27	759947.09	N 32.212953	W 103.626483
22500.00	90.00	179.67	12920.00	9485.42	-9476.14	1637.56	0.00	441825.28	759947.66	N 32.212678	W 103.626483
22600.00	90.00	179.67	12920.00	9585.42	-9576.14	1638.14	0.00	441725.28	759948.23	N 32.212403	W 103.626484
22700.00	90.00	179.67	12920.00	9685.42	-9676.14	1638.71	0.00	441625.29	759948.81	N 32.212128	W 103.626484
22800.00	90.00	179.67	12920.00	9785.42	-9776.14	1639.29	0.00	441525.29	759949.39	N 32.211854	W 103.626484
22900.00	90.00	179.67	12920.00	9885.42	-9876.14	1639.87	0.00	441425.30	759950.54	N 32.211579	W 103.626484
23000.00	90.00	179.67	12920.00	9985.42	-9976.13	1640.44	0.00	441325.31	759950.54	N 32.211304	W 103.626485
23100.00	90.00	179.67	12920.00	10085.42	-10076.13	1641.02	0.00	441225.31	759951.11	N 32.211029	W 103.626485
23200.00	90.00	179.67	12920.00	10185.42	-10176.13	1641.59	0.00	441125.32	759951.69	N 32.210754	W 103.626485

Comments	MD (ft)	Incl (°)	Azimuth Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S °)	Longitude (E/W °)
		1	0.000	28.000	1/100.000	17.500	13.375		A001Mb_MWD-Depth Only		Dos Equis 12-13 Federal Com	
		1	26.000	23220.770	1/100.000	17.500	13.375		A001Mb_MWD		#3H / Cimarex Dos Equis 12-13	
											Dos Equis 12-13 Federal Com	
											#3H / Cimarex Dos Equis 12-13	
											Dos Equis 12-13 Federal Com	
											#3H / Cimarex Dos Equis 12-13	

Drilling 9-7/8" Hole
below 10-3/4" Casing

5M Annular Preventer

10M Double
Ram BOP

Pipe Rams

Blind Rams

2" Kill Line Valves (2)
with Check Valve

3" Manual Choke Valve
and 3" HCR Valve

2" Kill Line

3" Choke Line

10M Single
Ram BOP

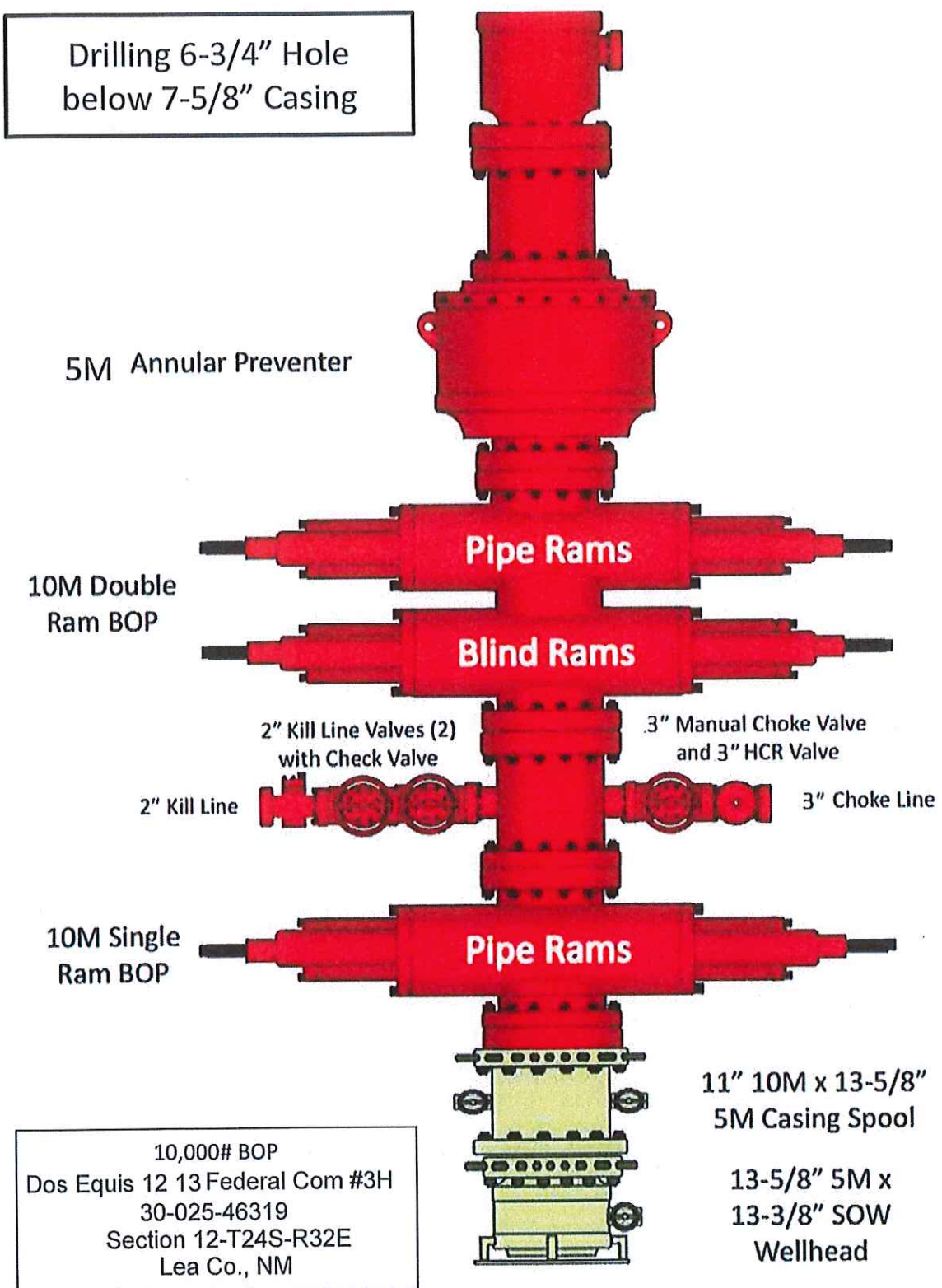
Pipe Rams

5,000# BOP
Dos Equis 12-13 Federal Com 3H
30-025-46319
Section 12-T24S-R32E
Lea Co., NM
Cimarex Energy Company

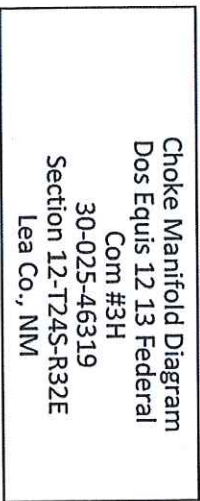
11" 10M x 13-5/8"
5M Casing Spool

13-5/8" 5M x
13-3/8" SOW
Wellhead

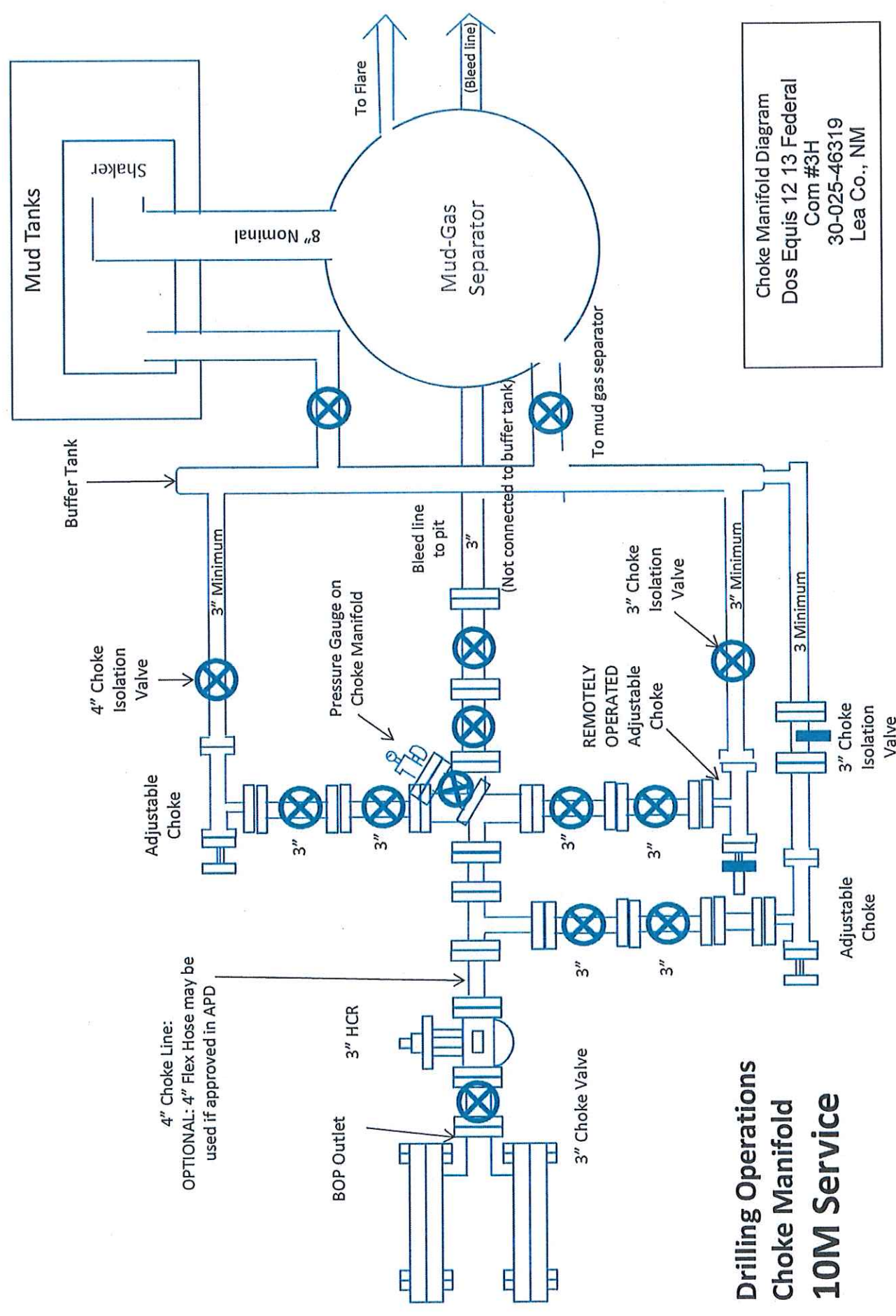
CIMAREX ENERGY COMPANY



Drilling Operations Choke Manifold 5M Service



CIMAREX ENERGY COMPANY



Drilling Operations Choke Manifold 10M Service

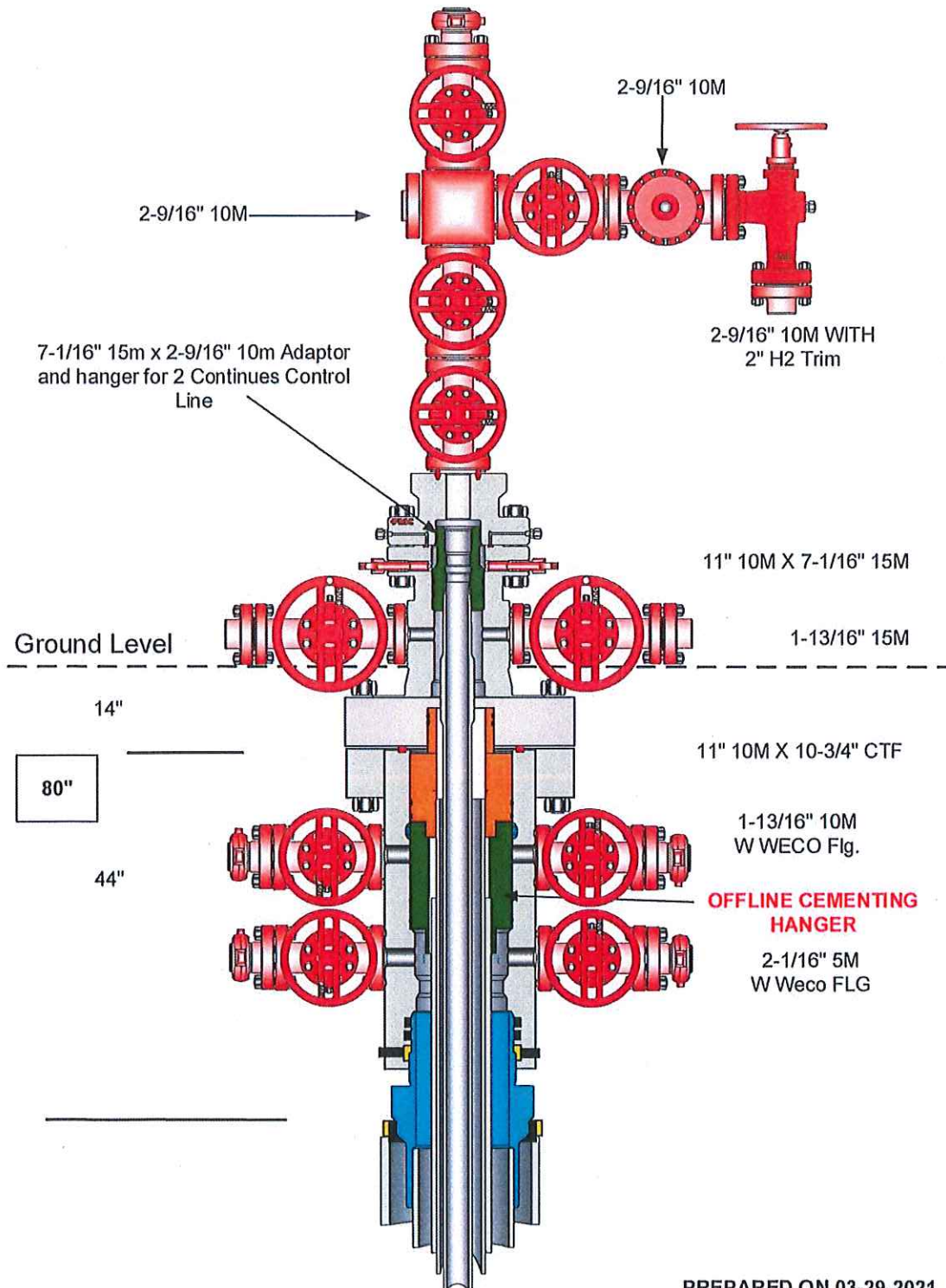
Choke Manifold Diagram
Dos Equis 12 13 Federal
Com #3H
30-025-46319
Lea Co., NM

Hole Size	Casing Depth From	Casing Depth To	Casing Depth TWD	Casing Size	Weight (lb/ft)	Grade	Conn.	SS Collapse	SS Burst	SS Tension
14 3/4	0	1215	1215	10-3/4"	41.50	P55	HTBC	3.00	5.55	12.75
9 7/8	0	13274	13281	7-5/8"	29.70	L-80	HTBC	2.30	1.14	1.74
6 3/4	0	13277	13272	5-1/2"	17.00	L-80	HTBC		0.90	1.40
5 3/4	13273	23221	12330	5"	14.50	P-110	HTBC	1.60	1.62	10.20
Burst/Tension Safety Factor								1.75	1	1.6 Dry 1.8 Wet



Dos Equis 12 13 Federal
Com #3H
30-025-46319
Section 12-T24S-R32E
Lea Co., NM

CACTUS FOR SERVICE
WEARBUSHING
IN CASING HEAD &
CASING SPOOL



PREPARED ON 03-29-2021

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 165512

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 165512
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	12/29/2022