

DISTRICT I
1825 N. French Dr., Hobbs, NM 58240

DISTRICT II
811 South First, Artesia, NM 58210

DISTRICT III
1909 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
2940 South Pacheco, Santa Fe, NM 87506

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33726	Pool Code 76140	Pool Name DUBLIN RANCH; MORROW (GAS)
Property Code 327272	Property Name BIG CHIEF FEE	Well Number 7
OGRIID No. 228937	Operator Name NADEL AND GUSSMAN PERMIAN	Elevation 3065'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	21	22 S	28 E		1980	SOUTH	1310	WEST	EDDY

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

Dedicated Acres 320	Joint or Infill	Consolidation Code	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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Josh Fernau Printed Name Staff Engineer Title 11/17/04 Date
	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. NOVEMBER 15, 2004 Date Signature W. O. Jones Professional Surveyor 7977 W.O. No. 4728 Certified Public Surveyor Jones 7977 BASIN SURVEYS



PHOENIX

TECHNOLOGY SERVICES USA INC.

Celebrating 20 Years of Focused Solutions

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

July 26, 2020

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Matador Production Company
Big Chief Fee No. 007
Eddy County, NM
API #30-015-33726
Job No. 65357

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Noe Garza	007	0	5650	7/17/20	7/17/20	Gyro

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Brittany Carley

Brittany Carley
Operations Administrator

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964



PHOENIX
TECHNOLOGY SERVICES

Company: Matador

Job #: 65357

Well Name: Big Chief Fee No. 007

County/State: Eddy Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-33726

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
7/17/2020	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
7/17/2020	5650	0.4	322.04

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.13

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date: 7/17/2020

Print Name: Noe Garza

Signature: _____

www.phxtech.com



Company:

Matador

Well:

Big Chief Fee No. 007

Location:

Eddy Co., New Mexico

TECHNOLOGY SERVICES

Rig:

Renegade Mast

Job Number:

65357

Grid Corr.:

-0.13

Lat:

32.376453

Long:

-104.09705

Date: 07/17/20

Calculation Method: Minimum Curvature

Vertical Section AZI:

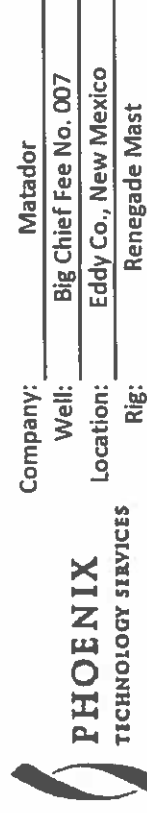
RKB - MSL in feet:

Surface

Tie Into:

Ground

Survey Tool Type	Survey Depth (ft)	Inclina- tion (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
FIELD COPY, NON-DEFINITIVE													
Enter Tie-In Survey on Line 10													
TIE IN	0			0	0	0	N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
Gyro	100.00	0.04	347.11	100	100.00	0.03	0.03 N	0.01 W	0.03	347.11	0.04	0.04	347.11
	125.00	0.09	304.98	25	125.00	0.05	0.05 N	0.03 W	0.06	334.36	0.26	0.20	-168.52
	150.00	0.22	22.60	25	150.00	0.11	0.11 N	0.02 W	0.11	347.89	0.88	0.52	-1129.52
	175.00	0.35	77.30	25	175.00	0.17	0.17 N	0.07 E	0.18	22.17	1.14	0.52	218.80
	200.00	0.66	89.49	25	200.00	0.19	0.19 N	0.29 E	0.34	56.79	1.31	1.24	48.76
	225.00	0.77	54.39	25	225.00	0.29	0.29 N	0.57 E	0.64	63.16	1.78	0.44	-140.40
	250.00	1.17	79.29	25	249.99	0.43	0.43 N	0.96 E	1.05	65.64	2.29	1.60	99.60
	275.00	1.14	84.84	25	274.99	0.50	0.50 N	1.45 E	1.54	70.93	0.46	-0.12	22.20
	300.00	0.96	93.92	25	299.98	0.51	0.51 N	1.91 E	1.98	75.04	0.98	-0.72	36.32
	325.00	0.90	88.09	25	324.98	0.50	0.50 N	2.32 E	2.37	77.75	0.45	-0.24	-23.32
	350.00	0.89	101.02	25	349.98	0.47	0.47 N	2.70 E	2.74	80.09	0.81	-0.04	51.72
	375.00	0.91	102.26	25	374.97	0.39	0.39 N	3.09 E	3.11	82.74	0.11	0.08	4.96
	400.00	1.15	108.01	25	399.97	0.27	0.27 N	3.52 E	3.53	85.56	1.04	0.96	23.00
	425.00	1.16	100.55	25	424.97	0.15	0.15 N	4.01 E	4.01	87.86	0.60	0.04	-29.84
	450.00	1.18	101.36	25	449.96	0.05	0.05 N	4.51 E	4.51	89.33	0.10	0.08	3.24
	475.00	0.87	91.44	25	474.96	0.00	0.00 S	4.95 E	4.95	90.04	1.42	-1.24	-39.68
	500.00	0.91	107.52	25	499.95	-0.07	0.07 S	5.33 E	5.33	90.73	1.01	0.16	64.32
	525.00	1.04	126.06	25	524.95	-0.26	0.26 S	5.70 E	5.71	92.62	1.36	0.52	74.16
	550.00	1.18	111.99	25	549.94	-0.49	0.49 S	6.12 E	6.14	94.58	1.22	0.56	-56.28
	575.00	1.06	112.27	25	574.94	-0.67	0.67 S	6.58 E	6.61	95.86	0.48	-0.48	1.12
	600.00	1.00	131.65	25	599.94	-0.91	0.91 S	6.95 E	7.01	97.43	1.41	-0.24	77.52
	625.00	0.94	128.28	25	624.93	-1.18	1.18 S	7.28 E	7.37	99.21	0.33	-0.24	-13.48
	650.00	1.04	135.93	25	649.93	-1.47	1.47 S	7.60 E	7.74	100.95	0.66	0.40	30.60
	675.00	1.25	122.73	25	674.92	-1.78	1.78 S	7.98 E	8.18	102.57	1.34	0.84	-52.80
	700.00	1.10	124.61	25	699.92	-2.06	2.06 S	8.41 E	8.66	103.79	0.62	-0.60	7.52
	725.00	1.02	118.65	25	724.91	-2.31	2.31 S	8.80 E	9.10	104.68	0.54	-0.32	-23.84
	750.00	1.17	149.58	25	749.91	-2.63	2.63 S	9.13 E	9.50	106.09	2.41	0.60	123.72
	775.00	1.36	146.43	25	774.90	-3.10	3.10 S	9.42 E	9.92	108.22	0.81	0.76	-12.60



Company:

Matador

Well: Big Chief Fee No. 007

Location: Eddy Co., New Mexico

Rig:

Renegade Mast

Job Number:

65357

Grid Corr.:

-0.13

Lat:

32.376453

Long:

-104.09705

Calculation Method:

Minimum Curvature

Vertical Section AZI:

RKB - MSL in feet:

Surface

Tie Into:

Ground

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	800.00	1.27	148.50	25	799.90	-3.58	N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	825.00	1.15	136.53	25	824.89	-4.00	3.58 S	9.73 E	10.37	110.22	0.41	-0.36	8.28
	850.00	0.91	154.68	25	849.89	-4.36	4.00 S	10.05 E	10.82	111.72	1.12	-0.48	-47.88
	875.00	1.14	151.64	25	874.88	-4.76	4.36 S	10.31 E	11.19	112.95	1.61	-0.96	72.60
	900.00	1.31	138.29	25	899.88	-5.19	4.76 S	10.51 E	11.54	114.38	0.95	0.92	-12.16
	925.00	1.24	114.28	25	924.87	-5.52	5.19 S	10.82 E	12.00	115.65	1.32	0.68	-53.40
	950.00	1.59	107.42	25	949.86	-5.73	5.52 S	11.25 E	12.53	116.12	2.14	-0.28	-96.04
	975.00	1.39	106.56	25	974.86	-5.92	5.73 S	11.83 E	13.15	115.86	1.55	1.40	-27.44
	1000.00	1.27	124.47	25	999.85	-6.17	5.92 S	12.45 E	13.79	115.44	0.80	-0.80	-3.44
	1025.00	1.70	118.86	25	1024.84	-6.50	6.17 S	12.97 E	14.36	115.43	1.72	-0.48	71.64
	1050.00	1.52	112.87	25	1049.83	-6.81	6.50 S	13.52 E	15.01	115.68	1.81	1.72	-22.44
	1075.00	1.36	131.19	25	1074.82	-7.14	6.81 S	14.16 E	15.71	115.70	0.98	-0.72	-23.96
	1100.00	1.54	130.14	25	1099.82	-7.55	7.14 S	14.68 E	16.33	115.92	1.94	-0.64	73.28
	1125.00	1.35	127.03	25	1124.81	-7.94	7.55 S	15.16 E	16.94	116.46	0.73	0.72	-4.20
	1150.00	1.67	137.66	25	1149.80	-8.39	7.94 S	15.66 E	17.55	116.90	0.82	-0.76	-12.44
	1175.00	1.66	133.94	25	1174.79	-8.91	8.39 S	16.14 E	18.19	117.47	1.70	1.28	42.52
	1200.00	1.56	140.17	25	1199.78	-9.42	8.91 S	16.64 E	18.88	118.16	0.43	-0.04	-14.88
	1225.00	1.75	146.87	25	1224.77	-10.00	9.42 S	17.12 E	19.54	118.82	0.81	-0.40	24.92
	1250.00	1.71	139.11	25	1249.76	-10.60	10.00 S	17.55 E	20.20	119.68	1.08	0.76	26.80
	1275.00	1.34	160.74	25	1274.75	-11.16	10.60 S	18.00 E	20.89	120.50	0.95	-0.16	-31.04
	1300.00	1.75	148.37	25	1299.74	-11.76	11.16 S	18.34 E	21.47	121.32	2.71	-1.48	86.52
	1325.00	1.59	151.37	25	1324.73	-12.39	11.76 S	18.64 E	22.04	122.26	2.11	1.64	-49.48
	1350.00	1.87	156.30	25	1349.72	-13.07	12.39 S	19.00 E	22.69	123.11	0.73	-0.64	12.00
	1375.00	1.80	151.32	25	1374.70	-13.79	13.07 S	19.33 E	23.34	124.06	1.27	1.12	19.72
	1400.00	1.61	160.69	25	1399.69	-14.46	13.79 S	19.69 E	24.03	125.01	0.70	-0.28	-19.92
	1425.00	2.07	161.33	25	1424.68	-15.22	14.46 S	19.99 E	24.67	125.89	1.35	-0.76	37.48
	1450.00	1.88	155.98	25	1449.66	-16.03	15.22 S	20.25 E	25.34	126.93	1.84	1.84	2.56
	1475.00	1.96	166.62	25	1474.65	-16.82	16.03 S	20.56 E	26.07	127.93	1.06	-0.76	-21.40
	1500.00	2.15	161.03	25	1499.63	-17.68	16.82 S	20.83 E	26.77	128.91	1.46	0.32	42.56
	1525.00	2.21	161.42	25	1524.62	-18.58	17.68 S	21.08 E	27.51	129.98	1.10	0.76	-22.36
	1550.00	2.19	166.76	25	1549.60	-19.50	18.58 S	21.39 E	28.33	130.98	0.25	0.24	1.56
							19.50 S	21.65 E	29.14	132.01	0.82	-0.08	21.36



Company: **Matador**
Well: **Big Chief Fee No. 007**
Location: **Eddy Co., New Mexico**
Rig: **Renegade Mast**

Job Number: **65357**
Grid Corr.: **-0.13**
Lat: **32.376453**
Long: **-104.09705**

Calculation Method: **Minimum Curvature**
Vertical Section AZI: _____
RKB - MSL in feet: _____ Surface
Tie Into: _____ Ground

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	1575.00	2.50	159.79	25	1574.58	-20.47	N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	1600.00	2.42	165.76	25	1599.55	-21.50	20.47 S	21.95 E	30.01	133.01	1.68	1.24	-27.88
	1625.00	2.71	166.41	25	1624.53	-22.58	21.50 S	22.27 E	30.95	133.99	1.07	-0.32	23.88
	1650.00	2.77	162.39	25	1649.50	-23.73	22.58 S	22.53 E	31.90	135.06	1.17	1.16	2.60
	1675.00	2.99	154.29	25	1674.47	-24.90	23.73 S	22.86 E	32.95	136.08	0.81	0.24	-16.08
	1700.00	3.11	148.29	25	1699.43	-26.06	24.90 S	23.32 E	34.11	136.87	1.85	0.88	-32.40
	1725.00	2.92	140.29	25	1724.40	-27.13	26.06 S	23.96 E	35.40	137.40	1.36	0.48	-24.00
	1750.00	3.07	136.70	25	1749.37	-28.11	27.13 S	24.72 E	36.70	137.65	1.84	-0.76	-32.00
	1775.00	3.32	133.80	25	1774.33	-29.09	28.11 S	25.59 E	38.01	137.68	0.96	0.60	-14.36
	1800.00	3.29	134.96	25	1799.28	-30.10	29.09 S	26.57 E	39.40	137.59	1.19	1.00	-11.60
	1825.00	3.20	139.86	25	1824.24	-31.14	30.10 S	27.60 E	40.84	137.48	0.29	-0.12	4.64
	1850.00	3.37	138.75	25	1849.20	-32.23	31.14 S	28.56 E	42.25	137.48	1.17	-0.36	19.60
	1875.00	3.61	140.10	25	1874.16	-33.38	32.23 S	29.49 E	43.69	137.54	0.73	0.68	-4.44
	1900.00	3.97	137.09	25	1899.10	-34.62	33.38 S	30.48 E	45.21	137.60	1.01	0.96	5.40
	1925.00	3.95	139.17	25	1924.04	-35.91	34.62 S	31.58 E	46.86	137.63	1.64	1.44	-12.04
	1950.00	3.97	139.73	25	1948.98	-37.22	35.91 S	32.73 E	48.59	137.65	0.58	-0.08	8.32
	1975.00	4.06	137.08	25	1973.92	-38.53	37.22 S	33.85 E	50.31	137.71	0.17	0.08	2.24
	2000.00	4.31	135.80	25	1998.86	-39.85	38.53 S	35.01 E	52.06	137.74	0.82	0.36	-10.60
	2025.00	4.44	133.98	25	2023.78	-41.19	39.85 S	36.27 E	53.88	137.69	1.07	1.00	-5.12
	2050.00	4.42	132.43	25	2048.71	-42.52	41.19 S	37.62 E	55.79	137.59	0.76	0.52	-7.28
	2075.00	4.39	132.32	25	2073.63	-43.81	42.52 S	39.03 E	57.71	137.45	0.49	-0.08	-6.20
	2100.00	4.54	129.44	25	2098.56	-45.08	43.81 S	40.45 E	59.63	137.29	0.12	-0.12	-0.44
	2125.00	4.41	126.65	25	2123.48	-46.29	45.08 S	41.92 E	61.56	137.08	1.08	0.60	-11.52
	2150.00	4.50	125.47	25	2148.41	-47.43	46.29 S	43.46 E	63.49	136.81	1.01	-0.52	-11.16
	2175.00	4.48	123.01	25	2173.33	-48.53	47.43 S	45.03 E	65.40	136.49	0.51	0.36	-4.72
	2200.00	4.38	122.94	25	2198.25	-49.58	48.53 S	46.64 E	67.31	136.14	0.77	-0.08	-9.84
	2225.00	4.47	119.91	25	2223.18	-50.59	49.58 S	48.26 E	69.19	135.77	0.40	-0.40	-0.28
	2250.00	4.32	119.23	25	2248.11	-51.53	50.59 S	49.91 E	71.06	135.39	1.00	0.36	-12.12
	2275.00	4.38	118.33	25	2273.03	-52.44	51.53 S	51.57 E	72.91	134.98	0.64	-0.60	-2.72
	2300.00	4.26	116.05	25	2297.96	-53.30	52.44 S	53.24 E	74.73	134.57	0.36	0.24	-3.60
	2325.00	4.02	118.99	25	2322.90	-54.14	53.30 S	54.91 E	76.53	134.15	0.84	-0.48	-9.12
							54.14 S	56.51 E	78.26	133.77	1.28	-0.96	11.76



PHOENIX

TECHNOLOGY SERVICES

Company: _____
 Well: Big Chief Fee No. 007
 Location: Eddy Co., New Mexico
 Rig: Renegade Mast

Job Number: 65357
 Grid Corr.: -0.13
 Lat: 32.376453
 Long: -104.09705

Calculation Method: Minimum Curvature
 Vertical Section AZI: _____
 RKB - MSL in feet: _____ Surface
 Tie Into: _____ Ground

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	N/S (ft)	E/W (ft)	Closure Distance (ft)	Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	2350.00	3.58	121.54	25	2347.84	-54.97	54.97 S	57.94 E	79.87	133.49	1.88	-1.76	10.20
	2375.00	3.48	119.43	25	2372.80	-55.75	55.75 S	59.27 E	81.37	133.25	0.66	-0.40	-8.44
	2400.00	3.42	124.89	25	2397.75	-56.55	56.55 S	60.54 E	82.84	133.05	1.34	-0.24	21.84
	2425.00	3.19	128.48	25	2422.71	-57.41	57.41 S	61.70 E	84.28	132.94	1.24	-0.92	14.36
	2450.00	2.97	131.44	25	2447.67	-58.27	58.27 S	62.73 E	85.62	132.89	1.09	-0.88	11.84
	2475.00	2.85	132.05	25	2472.64	-59.12	59.12 S	63.68 E	86.89	132.87	0.50	-0.48	2.44
	2500.00	2.79	140.90	25	2497.61	-60.00	60.00 S	64.52 E	88.11	132.92	1.76	-0.24	35.40
	2525.00	2.57	141.02	25	2522.58	-60.91	60.91 S	65.26 E	89.27	133.03	0.88	-0.88	0.48
	2550.00	2.35	142.34	25	2547.56	-61.75	61.75 S	65.92 E	90.33	133.13	0.91	-0.88	5.28
	2575.00	2.60	145.19	25	2572.54	-62.63	62.63 S	66.56 E	91.39	133.26	1.11	1.00	11.40
	2600.00	2.27	151.83	25	2597.51	-63.53	63.53 S	67.12 E	92.41	133.43	1.73	-1.32	26.56
	2625.00	1.90	150.75	25	2622.50	-64.33	64.33 S	67.55 E	93.28	133.60	1.49	-1.48	-4.32
	2650.00	2.09	156.59	25	2647.48	-65.11	65.11 S	67.94 E	94.10	133.78	1.11	0.76	23.36
	2675.00	1.97	155.24	25	2672.47	-65.91	65.91 S	68.30 E	94.92	133.98	0.52	-0.48	-5.40
	2700.00	1.88	156.06	25	2697.45	-66.68	66.68 S	68.64 E	95.70	134.17	0.38	-0.36	3.28
	2725.00	2.02	154.68	25	2722.44	-67.45	67.45 S	69.00 E	96.49	134.35	0.59	0.56	-5.52
	2750.00	1.86	149.84	25	2747.42	-68.20	68.20 S	69.39 E	97.30	134.50	0.92	-0.64	-19.36
	2775.00	1.89	160.51	25	2772.41	-68.94	68.94 S	69.73 E	98.06	134.67	1.40	0.12	42.68
	2800.00	1.86	152.68	25	2797.40	-69.69	69.69 S	70.06 E	98.82	134.85	1.03	-0.12	-31.32
	2825.00	1.97	155.46	25	2822.38	-70.44	70.44 S	70.42 E	99.60	135.01	0.58	0.44	11.12
	2850.00	1.71	158.56	25	2847.37	-71.18	71.18 S	70.74 E	100.35	135.18	1.11	-1.04	12.40
	2875.00	1.57	158.63	25	2872.36	-71.85	71.85 S	71.00 E	101.01	135.34	0.56	-0.56	0.28
	2900.00	1.56	165.16	25	2897.35	-72.49	72.49 S	71.21 E	101.62	135.51	0.71	-0.04	26.12
	2925.00	1.61	159.78	25	2922.34	-73.15	73.15 S	71.42 E	102.23	135.69	0.63	0.20	-21.52
	2950.00	1.65	168.90	25	2947.33	-73.83	73.83 S	71.61 E	102.86	135.88	1.05	0.16	36.48
	2975.00	1.43	161.31	25	2972.32	-74.48	74.48 S	71.78 E	103.44	136.06	1.20	-0.88	-30.36
	3000.00	1.60	166.29	25	2997.31	-75.12	75.12 S	71.96 E	104.02	136.23	0.86	0.68	19.92
	3025.00	1.43	158.49	25	3022.30	-75.75	75.75 S	72.16 E	104.61	136.39	1.07	-0.68	-31.20
	3050.00	1.65	167.72	25	3047.30	-76.39	76.39 S	72.35 E	105.21	136.56	1.32	0.88	36.92
	3075.00	1.23	161.91	25	3072.29	-77.00	77.00 S	72.51 E	105.76	136.72	1.78	-1.68	-23.24
	3100.00	1.32	163.47	25	3097.28	-77.53	77.53 S	72.67 E	106.26	136.85	0.39	0.36	6.24



PHOENIX

TECHNOLOGY SERVICES

Company: _____
Well: _____
Location: _____
Rig: _____

Matador
Big Chief Fee No. 007
Eddy Co., New Mexico
Renegade Mast

Job Number: 65357
Grid Corr.: -0.13
Lat: 32.376453
Long: -104.09705

Calculation Method: Minimum Curvature
Vertical Section AZI: _____
RKB - MSL in feet: _____
Tie Into: _____
Ground _____
Surface _____

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	3125.00	1.35	169.41	25	3122.27	-78.09	78.09 S	72.81 E	106.77	137.01	0.57	0.12	23.76
	3150.00	1.30	163.09	25	3147.27	-78.65	78.65 S	72.95 E	107.27	137.16	0.62	-0.20	-25.28
	3175.00	1.15	193.85	25	3172.26	-79.17	79.17 S	72.97 E	107.67	137.33	2.66	-0.60	123.04
	3200.00	1.21	171.87	25	3197.26	-79.67	79.67 S	72.95 E	108.02	137.52	1.81	0.24	-87.92
	3225.00	1.44	171.15	25	3222.25	-80.24	80.24 S	73.03 E	108.50	137.69	0.92	0.92	-2.88
	3250.00	1.17	187.35	25	3247.24	-80.81	80.81 S	73.05 E	108.93	137.89	1.82	-1.08	64.80
	3275.00	1.42	167.60	25	3272.24	-81.36	81.36 S	73.08 E	109.37	138.07	2.03	1.00	-79.00
	3300.00	1.27	185.72	25	3297.23	-81.94	81.94 S	73.12 E	109.82	138.26	1.79	-0.60	72.48
	3325.00	1.15	172.66	25	3322.23	-82.47	82.47 S	73.12 E	110.22	138.44	1.20	-0.48	-52.24
	3350.00	1.39	170.70	25	3347.22	-83.01	83.01 S	73.21 E	110.68	138.59	0.98	0.96	-7.84
	3375.00	1.08	186.84	25	3372.21	-83.55	83.55 S	73.23 E	111.10	138.77	1.85	-1.24	64.56
	3400.00	1.21	182.87	25	3397.21	-84.05	84.05 S	73.18 E	111.44	138.95	0.61	0.52	-15.88
	3425.00	1.22	183.16	25	3422.20	-84.57	84.57 S	73.16 E	111.82	139.14	0.05	0.04	1.16
	3450.00	0.95	186.61	25	3447.20	-85.05	85.05 S	73.12 E	112.16	139.31	1.11	-1.08	13.80
	3475.00	1.21	184.23	25	3472.19	-85.52	85.52 S	73.07 E	112.48	139.49	1.06	1.04	-9.52
	3500.00	1.07	172.49	25	3497.19	-86.01	86.01 S	73.09 E	112.87	139.64	1.09	-0.56	-46.96
	3525.00	1.02	192.03	25	3522.18	-86.46	86.46 S	73.07 E	113.20	139.80	1.43	-0.20	78.16
	3550.00	1.05	154.25	25	3547.18	-86.88	86.88 S	73.12 E	113.56	139.92	2.68	0.12	-151.12
	3575.00	1.31	177.74	25	3572.18	-87.37	87.37 S	73.23 E	114.01	140.03	2.17	1.04	93.96
	3600.00	1.06	179.08	25	3597.17	-87.89	87.89 S	73.25 E	114.41	140.19	1.01	-1.00	5.36
	3625.00	0.88	148.36	25	3622.17	-88.29	88.29 S	73.35 E	114.78	140.28	2.17	-0.72	-122.88
	3650.00	1.53	152.34	25	3647.16	-88.75	88.75 S	73.61 E	115.30	140.33	2.62	2.60	15.92
	3675.00	0.92	151.76	25	3672.16	-89.22	89.22 S	73.86 E	115.82	140.38	2.44	-2.44	-2.32
	3700.00	0.91	117.45	25	3697.15	-89.49	89.49 S	74.13 E	116.20	140.36	2.16	-0.04	-137.24
	3725.00	0.99	157.66	25	3722.15	-89.78	89.78 S	74.39 E	116.59	140.36	2.63	0.32	160.84
	3750.00	0.65	148.38	25	3747.15	-90.10	90.10 S	74.54 E	116.94	140.40	1.46	-1.36	-37.12
	3775.00	0.70	129.30	25	3772.15	-90.32	90.32 S	74.74 E	117.23	140.39	0.92	0.20	-76.32
	3800.00	0.78	144.28	25	3797.14	-90.55	90.55 S	74.95 E	117.55	140.38	0.83	0.32	59.92
	3825.00	0.67	133.58	25	3822.14	-90.79	90.79 S	75.16 E	117.86	140.38	0.70	-0.44	-42.80
	3850.00	0.70	157.60	25	3847.14	-91.03	91.03 S	75.32 E	118.15	140.39	1.15	0.12	96.08
	3875.00	0.68	160.83	25	3872.14	-91.31	91.31 S	75.43 E	118.44	140.44	0.17	-0.08	12.92



Company:

Matador

Well:

Big Chief Fee No. 007

Location:

Eddy Co., New Mexico

Rig:

Renegade Mast

Job Number:

65357

Grid Corr.:

-0.13

Lat:

32.376453

Long:

-104.09705

Calculation Method:

Minimum Curvature

Vertical Section AZI:

Surface

RKB - MSL in feet:

Ground

Tie Into:

Ground

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure Distance (ft)	Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)					
	3900.00	0.79	154.75	25	3897.14	-91.61	91.61 S	75.55 E	118.75	140.49	0.54	0.44	-24.32
	3925.00	0.64	155.93	25	3922.13	-91.89	91.89 S	75.68 E	119.05	140.52	0.60	-0.60	4.72
	3950.00	0.58	156.53	25	3947.13	-92.14	92.14 S	75.79 E	119.30	140.56	0.24	-0.24	2.40
	3975.00	1.03	161.18	25	3972.13	-92.46	92.46 S	75.91 E	119.64	140.61	1.82	1.80	18.60
	4000.00	0.55	158.39	25	3997.13	-92.79	92.79 S	76.03 E	119.96	140.67	1.93	-1.92	-11.16
	4025.00	0.73	153.13	25	4022.13	-93.04	93.04 S	76.15 E	120.23	140.70	0.76	0.72	-21.04
	4050.00	0.77	185.48	25	4047.12	-93.35	93.35 S	76.20 E	120.50	140.78	1.68	0.16	129.40
	4075.00	0.60	177.15	25	4072.12	-93.65	93.65 S	76.19 E	120.73	140.87	0.79	-0.68	-33.32
	4100.00	0.85	178.33	25	4097.12	-93.97	93.97 S	76.21 E	120.98	140.96	1.00	1.00	4.72
	4125.00	0.60	166.59	25	4122.12	-94.28	94.28 S	76.24 E	121.25	141.04	1.16	-1.00	-46.96
	4150.00	0.84	173.92	25	4147.12	-94.59	94.59 S	76.29 E	121.52	141.11	1.03	0.96	29.32
	4175.00	0.71	195.90	25	4172.11	-94.92	94.92 S	76.27 E	121.76	141.22	1.29	-0.52	87.92
	4200.00	0.51	186.31	25	4197.11	-95.18	95.18 S	76.21 E	121.93	141.31	0.90	-0.80	-38.36
	4225.00	0.46	185.74	25	4222.11	-95.39	95.39 S	76.19 E	122.08	141.38	0.20	-0.20	-2.28
	4250.00	0.78	211.66	25	4247.11	-95.63	95.63 S	76.09 E	122.21	141.49	1.67	1.28	103.68
	4275.00	0.56	207.16	25	4272.11	-95.89	95.89 S	75.95 E	122.32	141.62	0.90	-0.88	-18.00
	4300.00	0.75	220.78	25	4297.11	-96.12	96.12 S	75.78 E	122.40	141.75	0.98	0.76	54.48
	4325.00	0.88	204.39	25	4322.10	-96.42	96.42 S	75.60 E	122.52	141.90	1.06	0.52	-65.56
	4350.00	0.60	220.04	25	4347.10	-96.69	96.69 S	75.43 E	122.64	142.04	1.37	-1.12	62.60
	4375.00	0.67	213.26	25	4372.10	-96.92	96.92 S	75.27 E	122.71	142.17	0.41	0.28	-27.12
	4400.00	0.61	224.23	25	4397.10	-97.13	97.13 S	75.10 E	122.78	142.29	0.54	-0.24	43.88
	4425.00	0.60	201.29	25	4422.10	-97.35	97.35 S	74.96 E	122.86	142.41	0.96	-0.04	-91.76
	4450.00	0.52	211.30	25	4447.10	-97.57	97.57 S	74.85 E	122.97	142.51	0.50	-0.32	40.04
	4475.00	0.62	200.74	25	4472.09	-97.79	97.79 S	74.74 E	123.09	142.61	0.58	0.40	-42.24
	4500.00	0.79	193.74	25	4497.09	-98.09	98.09 S	74.65 E	123.27	142.73	0.76	0.68	-28.00
	4525.00	0.64	181.61	25	4522.09	-98.39	98.39 S	74.61 E	123.48	142.83	0.85	-0.60	-48.52
	4550.00	0.51	127.89	25	4547.09	-98.60	98.60 S	74.69 E	123.70	142.86	2.13	-0.52	-214.88
	4575.00	0.56	123.54	25	4572.09	-98.74	98.74 S	74.88 E	123.92	142.82	0.26	0.20	-17.40
	4600.00	0.58	138.29	25	4597.09	-98.90	98.90 S	75.07 E	124.16	142.80	0.59	0.08	59.00
	4625.00	0.50	140.93	25	4622.09	-99.08	99.08 S	75.22 E	124.40	142.79	0.34	-0.32	10.56
	4650.00	0.53	122.93	25	4647.09	-99.23	99.23 S	75.39 E	124.62	142.77	0.66	0.12	-72.00



Company:

Matador

Well: Big Chief Fee No. 007

Location: Eddy Co., New Mexico

Rig: Renegade Mast

Job Number: 65357

Grid Corr.: -0.13

Lat: 32.376453

Long: -104.09705

Calculation Method:

Vertical Section AZI:

RKB - MSL in feet:

Tie Into:

Minimum Curvature

Surface

Ground

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure Distance (ft)	Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)					
	4675.00	0.21	114.37	25	4672.08	-99.31	99.31 S	75.53 E	124.77	142.75	1.30	-1.28	-34.24
	4700.00	0.58	112.10	25	4697.08	-99.37	99.37 S	75.69 E	124.91	142.71	1.48	1.48	-9.08
	4725.00	0.49	133.29	25	4722.08	-99.50	99.50 S	75.88 E	125.13	142.67	0.86	-0.36	84.76
	4750.00	0.47	140.94	25	4747.08	-99.65	99.65 S	76.02 E	125.34	142.66	0.27	-0.08	30.60
	4775.00	0.40	136.50	25	4772.08	-99.79	99.79 S	76.15 E	125.53	142.65	0.31	-0.28	-17.76
	4800.00	0.44	114.40	25	4797.08	-99.89	99.89 S	76.30 E	125.70	142.63	0.66	0.16	-88.40
	4825.00	0.59	122.99	25	4822.08	-100.00	100.00 S	76.49 E	125.90	142.59	0.67	0.60	34.36
	4850.00	0.36	120.31	25	4847.08	-100.11	100.11 S	76.67 E	126.10	142.56	0.92	-0.92	-10.72
	4875.00	0.57	166.77	25	4872.08	-100.27	100.27 S	76.76 E	126.28	142.57	1.66	0.84	185.84
	4900.00	0.61	151.63	25	4897.08	-100.51	100.51 S	76.85 E	126.53	142.60	0.64	0.16	-60.56
	4925.00	0.56	142.03	25	4922.08	-100.73	100.73 S	76.99 E	126.78	142.61	0.44	-0.20	-38.40
	4950.00	0.54	176.35	25	4947.07	-100.94	100.94 S	77.08 E	127.00	142.64	1.30	-0.08	137.28
	4975.00	0.52	195.65	25	4972.07	-101.17	101.17 S	77.05 E	127.17	142.71	0.72	-0.08	77.20
	5000.00	0.53	215.48	25	4997.07	-101.37	101.37 S	76.95 E	127.27	142.80	0.72	0.04	79.32
	5025.00	0.59	233.92	25	5022.07	-101.54	101.54 S	76.78 E	127.30	142.90	0.76	0.24	73.76
	5050.00	0.70	250.92	25	5047.07	-101.67	101.67 S	76.53 E	127.25	143.03	0.88	0.44	68.00
	5075.00	0.57	244.10	25	5072.07	-101.77	101.77 S	76.28 E	127.18	143.15	0.60	-0.52	-27.28
	5100.00	0.69	235.76	25	5097.07	-101.91	101.91 S	76.04 E	127.15	143.27	0.60	0.48	-33.36
	5125.00	0.37	225.03	25	5122.07	-102.05	102.05 S	75.86 E	127.16	143.37	1.33	-1.28	-42.92
	5150.00	0.41	217.26	25	5147.06	-102.18	102.18 S	75.75 E	127.19	143.45	0.26	0.16	-31.08
	5175.00	0.75	231.73	25	5172.06	-102.35	102.35 S	75.57 E	127.22	143.56	1.47	1.36	57.88
	5200.00	0.58	269.98	25	5197.06	-102.45	102.45 S	75.31 E	127.16	143.68	1.86	-0.68	153.00
	5225.00	0.72	228.73	25	5222.06	-102.56	102.56 S	75.07 E	127.09	143.80	1.91	0.56	-165.00
	5250.00	0.27	240.20	25	5247.06	-102.69	102.69 S	74.90 E	127.10	143.89	1.83	-1.80	45.88
	5275.00	0.92	266.39	25	5272.06	-102.73	102.73 S	74.65 E	126.99	144.00	2.75	2.60	104.76
	5300.00	0.74	278.49	25	5297.06	-102.72	102.72 S	74.29 E	126.77	144.13	1.00	-0.72	48.40
	5325.00	0.51	273.80	25	5322.05	-102.69	102.69 S	74.02 E	126.58	144.22	0.94	-0.92	-18.76
	5350.00	0.41	290.64	25	5347.05	-102.65	102.65 S	73.82 E	126.44	144.28	0.67	-0.40	67.36
	5375.00	0.49	276.14	25	5372.05	-102.61	102.61 S	73.63 E	126.29	144.34	0.55	0.32	-58.00
	5400.00	0.55	267.86	25	5397.05	-102.60	102.60 S	73.41 E	126.16	144.42	0.38	0.24	-33.12
	5425.00	0.79	299.08	25	5422.05	-102.52	102.52 S	73.13 E	125.93	144.50	1.71	0.96	124.88



PHOENIX

TECHNOLOGY SERVICES

Company: Matador Job Number: 65357 Calculation Method: Minimum Curvature
 Well: Big Chief Fee No. 007 Grid Corr.: -0.13 Vertical Section AZI: _____
 Location: Eddy Co., New Mexico Lat: 32.376453 RKB - MSL in feet: _____ Surface _____
 Rig: Renegade Mast Long: -104.09705 Tie Into: _____ Ground _____

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	5450.00	0.64	287.34	25	5447.05	-102.40	N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)	0.84	-0.60	-46.96
	5475.00	0.57	305.13	25	5472.05	-102.28	102.40 S	72.85 E	125.67	144.57	0.80	-0.28	71.16
	5500.00	0.53	332.65	25	5497.04	-102.11	102.28 S	72.62 E	125.44	144.63	1.06	-0.16	110.08
	5525.00	0.32	349.77	25	5522.04	-101.94	102.11 S	72.46 E	125.21	144.64	0.97	-0.84	68.48
	5550.00	0.65	12.95	25	5547.04	-101.73	101.94 S	72.40 E	125.03	144.62	1.51	1.32	-1347.28
	5575.00	0.54	329.10	25	5572.04	-101.49	101.73 S	72.41 E	124.87	144.56	1.82	-0.44	1264.60
	5600.00	0.34	341.00	25	5597.04	-101.32	101.49 S	72.39 E	124.66	144.50	0.88	-0.80	47.60
	5625.00	0.43	346.85	25	5622.04	-101.16	101.32 S	72.30 E	124.47	144.49	0.39	0.36	23.40
	5650.00	0.40	322.04	25	5647.04	-101.00	101.16 S	72.26 E	124.31	144.46	0.72	-0.12	-99.24
							101.00 S	72.18 E	124.14	144.45			

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

COMMENTS

Action 26362

COMMENTS

Operator:	OGRID:	Action Number:	Action Type:
MATADOR PRODUCTION COMPANY 5400 LBJ Freeway, Ste 1500	228937	26362	C-102
One Lincoln Centre Dallas, TX75240			

Created By	Comment	Comment Date
abustamante	Old file, should be in well files online.	04/29/2021

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 26362

CONDITIONS OF APPROVAL

Operator: MATADOR PRODUCTION COMPANY 5400 LBJ Freeway, Ste 1500	One Lincoln Centre Dallas, TX75240	OGRID: 228937	Action Number: 26362	Action Type: C-102
OCD Reviewer abustamante	Condition None			