

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-43958
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Matador Production Company		6. State Oil & Gas Lease No. 315284
3. Address of Operator 5400 LBJ Freeway STE 1500 Dallas, TX 75240		7. Lease Name or Unit Agreement Name JIMMY KONE 05-24S-28E RB
4. Well Location Unit Letter <u>J</u> : <u>2502</u> feet from the <u>SOUTH</u> line and <u>190</u> feet from the <u>EAST</u> line Section <u>05</u> Township <u>24S</u> Range <u>28E</u> NMPM County <u>EDDY</u>		8. Well Number 226H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3042'		9. OGRID Number 228937
10. Pool name or Wildcat CULEBRA BLUFF;WOLFCAMP, SOUTH (GAS)		

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: Change SHL <input checked="" type="checkbox"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The SHL will be changed from 2502' South and 190' East to 2503' South and 320' East.
 The elevation is also changing from 3042' to 3043'

NM OIL CONSERVATION
 ARTESIA DISTRICT

NOV 22 2016

RECEIVED

Spud Date: 12/15/2016

Rig Release Date:

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

SIGNATURE Sherril Gore TITLE Regulatory Tech DATE 11/22/16

Type or print name Sherril Gore E-mail address: sgore@matadorresources.com PHONE: 972-371-5467

For State Use Only

APPROVED BY: Jaren Sharp TITLE Bus Oper Spec-Adv DATE 11-22-16
 Conditions of Approval (if any):



Company: Matador Resources
 Site: Jimmy Kone 05-24S-28E RB
 Well: #223H
 Project: Eddy County, New Mexico (NAD 27)
 Rig: Patterson 297



WELL DETAILS #223H

N/S	E/W	Northing	Easting	Latitude	Longitude
0.00	0.00	453456.00	571658.00	32° 14' 47.238 N	104° 8' 5.578 W

Azimuth to Grid North
 True North: 0.121
 Magnetic North: 7.19°

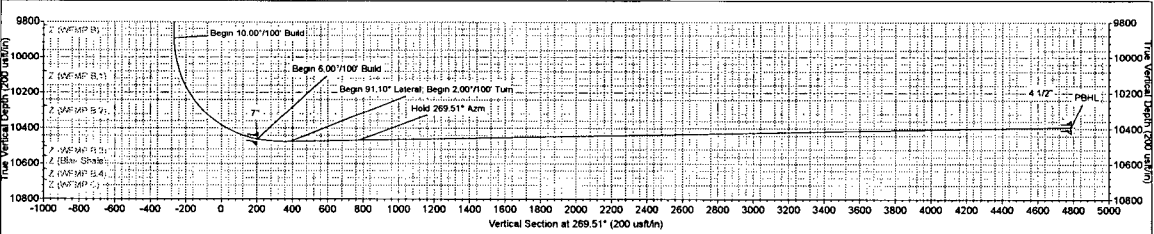
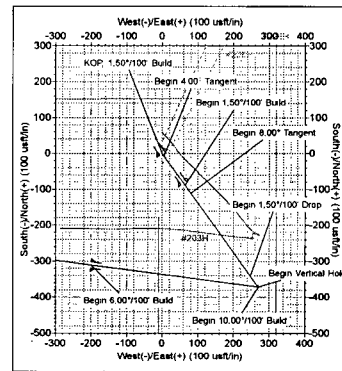
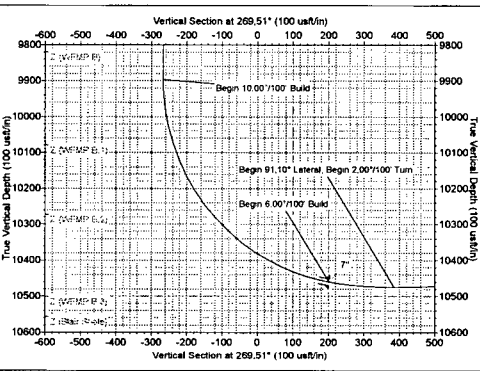
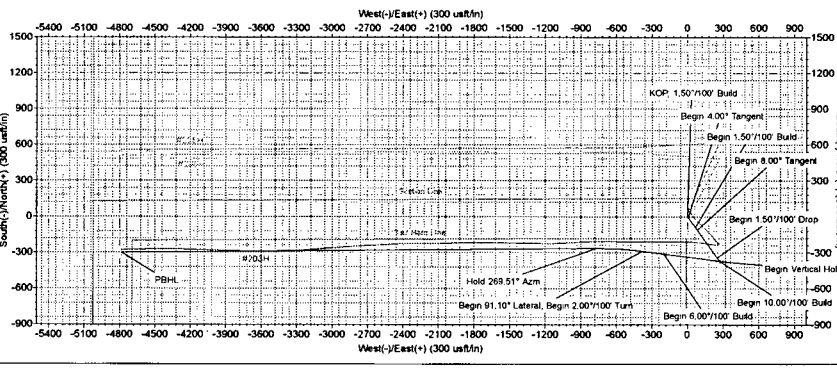
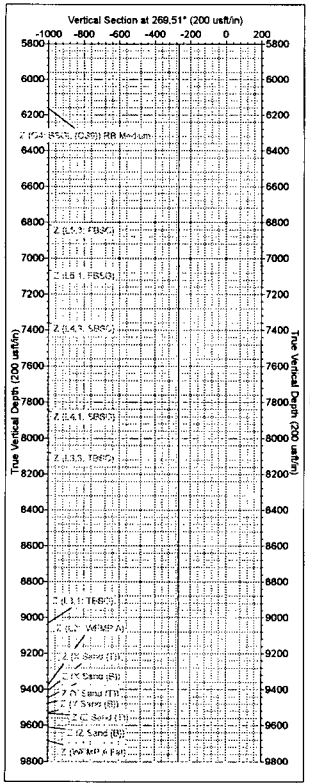
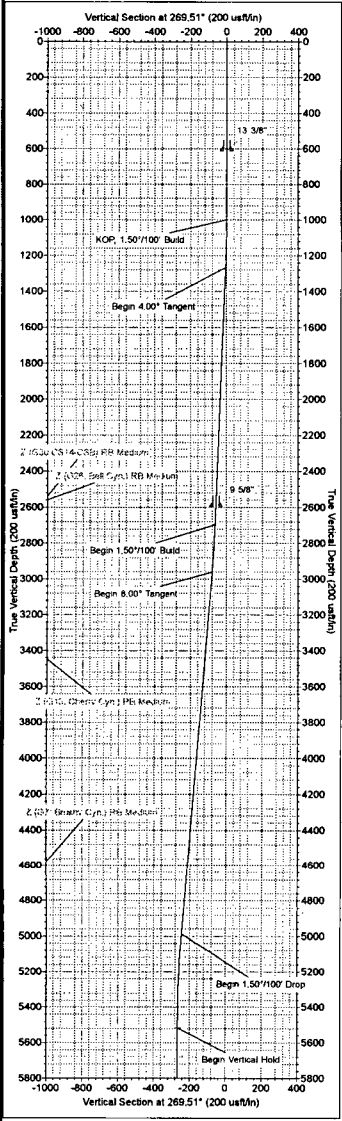
Magnetic Field
 Strength: 49037.1nT
 Dip Angle: 60.30°
 Date: 11/04/2016
 Model: BGGM2015

US State Plane 1927 (Exact solution)
 New Mexico East 3001

Created By: HLH
 Date: 9/04/November 11 2016
 Plan: Design #1

ANNOTATIONS

MD	Inc	Azi	TVD	N/S	E/W	V Sect	Departure	Annotation
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	KOP: 1.50"/100' Build
1266.67	4.00	143.94	1266.45	-7.52	5.48	-5.41	9.30	Begin 4.00' Tangent
2700.00	4.00	143.84	2696.29	-8.35	6.43	-63.58	109.29	Begin 1.50"/100' Build
2966.57	8.00	143.94	2961.35	-110.87	80.73	-79.78	137.14	Begin 8.00' Tangent
5010.60	8.00	143.94	4985.49	-340.79	248.16	-245.23	421.57	Begin 1.50"/100' Drop
5549.84	0.00	0.00	5517.00	-370.83	270.03	-266.85	458.73	Begin Vertical Hold
9922.84	0.00	0.00	9996.00	-370.83	270.03	-266.85	458.73	Begin 10.00"/100' Build
10722.84	80.00	277.28	10460.25	-310.83	-199.62	202.27	832.19	Begin 9.00"/100' Build
10907.84	91.10	277.28	10474.58	-287.50	-382.29	384.73	1118.35	Begin 91.10' Lateral, Begin 2.00"/100' Turn
11296.38	91.10	269.51	10467.12	-284.52	-769.78	772.01	1504.82	Hold 269.51° Azm
15311.95	91.10	269.51	10390.09	-289.01	-4784.46	4786.84	5519.65	PBHL



This document should only be used for the purpose of providing a visual representation of wellbore paths. It does not constitute a well log or other information required by the user. MS Energy Services is not responsible for the accuracy of the information contained herein.



Matador Resources

Eddy County, New Mexico (NAD 27)

Jimmy Kone 05-24S-28E RB

#223H

Wellbore #1

Plan: Design #1

Standard Planning Report

11 November, 2016



Database:	EDM Conroe	Local Co-ordinate Reference:	Well #223H
Company:	Matador Resources	TVD Reference:	WELL @ 3071.00usft (Patterson 297)
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#223H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Eddy County, New Mexico (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Well	#223H			
Well Position	+N/-S	453,456.00 usft	Northing:	453,456.00 usft
	+E/-W	571,659.00 usft	Easting:	571,659.00 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	
			Latitude:	32° 14' 47.238 N
			Longitude:	104° 6' 5.578 W
			Ground Level:	3,042.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	BGGM2016	11/24/2016	(°)	(°)	(nT)
			7.32	60.00	48,037

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	269.51

Plan Survey Tool Program	Date	11/11/2016		
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.00	15,311.92 Design #1 (Wellbore #1)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,266.67	4.00	143.94	1,266.45	-7.52	5.48	1.50	1.50	0.00	143.94	VP - Jimmy Kone #
2,700.00	4.00	143.94	2,696.29	-88.35	64.33	0.00	0.00	0.00	0.00	
2,966.57	8.00	143.94	2,961.35	-110.87	80.73	1.50	1.50	0.00	0.00	
5,010.60	8.00	143.94	4,985.49	-340.79	248.16	0.00	0.00	0.00	0.00	
5,543.84	0.00	0.00	5,517.00	-370.83	270.03	1.50	-1.50	0.00	180.00	VP - Jimmy Kone #
9,922.84	0.00	0.00	9,896.00	-370.83	270.03	0.00	0.00	0.00	0.00	
10,722.84	80.00	277.28	10,460.25	-310.83	-199.62	10.00	10.00	0.00	277.28	
10,907.84	91.10	277.28	10,474.59	-287.50	-382.29	6.00	6.00	0.00	0.00	
11,296.38	91.10	269.51	10,467.12	-264.52	-769.78	2.00	0.00	-2.00	-89.93	
15,311.95	91.10	269.51	10,390.09	-299.01	-4,784.46	0.00	0.00	0.00	0.00	PBHL - Jimmy Kone



Database:	EDM Conroe	Local Co-ordinate Reference:	Well #223H
Company:	Matador Resources	TVD Reference:	WELL @ 3071.00usft (Patterson 297)
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#223H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, 1.50°/100' Build										
1,100.00	1.50	143.94	1,099.99	-1.06	0.77	-0.76	1.50	1.50	0.00	0.00
1,200.00	3.00	143.94	1,199.91	-4.23	3.08	-3.05	1.50	1.50	0.00	0.00
1,266.67	4.00	143.94	1,266.45	-7.52	5.48	-5.41	1.50	1.50	0.00	0.00
Begin 4.00° Tangent										
1,300.00	4.00	143.94	1,299.70	-9.40	6.85	-6.77	0.00	0.00	0.00	0.00
1,400.00	4.00	143.94	1,399.46	-15.04	10.95	-10.82	0.00	0.00	0.00	0.00
1,500.00	4.00	143.94	1,499.22	-20.68	15.06	-14.88	0.00	0.00	0.00	0.00
1,600.00	4.00	143.94	1,598.97	-26.32	19.16	-18.94	0.00	0.00	0.00	0.00
1,700.00	4.00	143.94	1,698.73	-31.96	23.27	-23.00	0.00	0.00	0.00	0.00
1,800.00	4.00	143.94	1,798.48	-37.60	27.38	-27.05	0.00	0.00	0.00	0.00
1,900.00	4.00	143.94	1,898.24	-43.24	31.48	-31.11	0.00	0.00	0.00	0.00
2,000.00	4.00	143.94	1,998.00	-48.87	35.59	-35.17	0.00	0.00	0.00	0.00
2,100.00	4.00	143.94	2,097.75	-54.51	39.70	-39.23	0.00	0.00	0.00	0.00
2,200.00	4.00	143.94	2,197.51	-60.15	43.80	-43.29	0.00	0.00	0.00	0.00
2,300.00	4.00	143.94	2,297.27	-65.79	47.91	-47.34	0.00	0.00	0.00	0.00
2,400.00	4.00	143.94	2,397.02	-71.43	52.01	-51.40	0.00	0.00	0.00	0.00
2,500.00	4.00	143.94	2,496.78	-77.07	56.12	-55.46	0.00	0.00	0.00	0.00
2,600.00	4.00	143.94	2,596.54	-82.71	60.23	-59.52	0.00	0.00	0.00	0.00
2,700.00	4.00	143.94	2,696.29	-88.35	64.33	-63.58	0.00	0.00	0.00	0.00
Begin 1.50°/100' Build										
2,800.00	5.50	143.94	2,795.95	-95.04	69.21	-68.39	1.50	1.50	0.00	0.00
2,900.00	7.00	143.94	2,895.35	-103.84	75.62	-74.72	1.50	1.50	0.00	0.00
2,966.57	8.00	143.94	2,961.35	-110.87	80.73	-79.78	1.50	1.50	0.00	0.00
Begin 8.00° Tangent										
3,000.00	8.00	143.94	2,994.45	-114.63	83.47	-82.48	0.00	0.00	0.00	0.00
3,100.00	8.00	143.94	3,093.48	-125.87	91.66	-90.58	0.00	0.00	0.00	0.00
3,200.00	8.00	143.94	3,192.51	-137.12	99.85	-98.67	0.00	0.00	0.00	0.00
3,300.00	8.00	143.94	3,291.53	-148.37	108.04	-106.77	0.00	0.00	0.00	0.00
3,400.00	8.00	143.94	3,390.56	-159.62	116.23	-114.86	0.00	0.00	0.00	0.00
3,500.00	8.00	143.94	3,489.59	-170.87	124.42	-122.96	0.00	0.00	0.00	0.00
3,600.00	8.00	143.94	3,588.62	-182.12	132.61	-131.05	0.00	0.00	0.00	0.00
3,700.00	8.00	143.94	3,687.64	-193.37	140.80	-139.15	0.00	0.00	0.00	0.00
3,800.00	8.00	143.94	3,786.67	-204.61	149.00	-147.24	0.00	0.00	0.00	0.00
3,900.00	8.00	143.94	3,885.70	-215.86	157.19	-155.34	0.00	0.00	0.00	0.00
4,000.00	8.00	143.94	3,984.72	-227.11	165.38	-163.43	0.00	0.00	0.00	0.00
4,100.00	8.00	143.94	4,083.75	-238.36	173.57	-171.52	0.00	0.00	0.00	0.00
4,200.00	8.00	143.94	4,182.78	-249.61	181.76	-179.62	0.00	0.00	0.00	0.00
4,300.00	8.00	143.94	4,281.81	-260.86	189.95	-187.71	0.00	0.00	0.00	0.00
4,400.00	8.00	143.94	4,380.83	-272.11	198.14	-195.81	0.00	0.00	0.00	0.00
4,500.00	8.00	143.94	4,479.86	-283.36	206.33	-203.90	0.00	0.00	0.00	0.00
4,600.00	8.00	143.94	4,578.89	-294.60	214.52	-212.00	0.00	0.00	0.00	0.00
4,700.00	8.00	143.94	4,677.91	-305.85	222.71	-220.09	0.00	0.00	0.00	0.00



Database:	EDM Conroe	Local Co-ordinate Reference:	Well #223H
Company:	Matador Resources	TVD Reference:	WELL @ 3071.00usft (Patterson 297)
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#223H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.00	8.00	143.94	4,776.94	-317.10	230.91	-228.19	0.00	0.00	0.00
4,900.00	8.00	143.94	4,875.97	-328.35	239.10	-236.28	0.00	0.00	0.00
5,000.00	8.00	143.94	4,975.00	-339.60	247.29	-244.37	0.00	0.00	0.00
5,010.60	8.00	143.94	4,985.49	-340.79	248.16	-245.23	0.00	0.00	0.00
Begin 1.50°/100' Drop									
5,100.00	6.66	143.94	5,074.16	-350.01	254.87	-251.87	1.50	-1.50	0.00
5,200.00	5.16	143.94	5,173.63	-358.33	260.93	-257.85	1.50	-1.50	0.00
5,300.00	3.66	143.94	5,273.33	-364.54	265.45	-262.32	1.50	-1.50	0.00
5,400.00	2.16	143.94	5,373.20	-368.64	268.44	-265.27	1.50	-1.50	0.00
5,500.00	0.66	143.94	5,473.16	-370.63	269.88	-266.70	1.50	-1.50	0.00
5,543.84	0.00	0.00	5,517.00	-370.83	270.03	-266.85	1.50	-1.50	0.00
Begin Vertical Hold									
5,600.00	0.00	0.00	5,573.16	-370.83	270.03	-266.85	0.00	0.00	0.00
5,700.00	0.00	0.00	5,673.16	-370.83	270.03	-266.85	0.00	0.00	0.00
5,800.00	0.00	0.00	5,773.16	-370.83	270.03	-266.85	0.00	0.00	0.00
5,900.00	0.00	0.00	5,873.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,000.00	0.00	0.00	5,973.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,100.00	0.00	0.00	6,073.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,200.00	0.00	0.00	6,173.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,300.00	0.00	0.00	6,273.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,400.00	0.00	0.00	6,373.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,500.00	0.00	0.00	6,473.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,600.00	0.00	0.00	6,573.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,700.00	0.00	0.00	6,673.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,800.00	0.00	0.00	6,773.16	-370.83	270.03	-266.85	0.00	0.00	0.00
6,900.00	0.00	0.00	6,873.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,000.00	0.00	0.00	6,973.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,100.00	0.00	0.00	7,073.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,200.00	0.00	0.00	7,173.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,300.00	0.00	0.00	7,273.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,400.00	0.00	0.00	7,373.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,500.00	0.00	0.00	7,473.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,600.00	0.00	0.00	7,573.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,700.00	0.00	0.00	7,673.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,800.00	0.00	0.00	7,773.16	-370.83	270.03	-266.85	0.00	0.00	0.00
7,900.00	0.00	0.00	7,873.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,000.00	0.00	0.00	7,973.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,100.00	0.00	0.00	8,073.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,200.00	0.00	0.00	8,173.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,300.00	0.00	0.00	8,273.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,400.00	0.00	0.00	8,373.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,500.00	0.00	0.00	8,473.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,600.00	0.00	0.00	8,573.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,700.00	0.00	0.00	8,673.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,800.00	0.00	0.00	8,773.16	-370.83	270.03	-266.85	0.00	0.00	0.00
8,900.00	0.00	0.00	8,873.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,000.00	0.00	0.00	8,973.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,100.00	0.00	0.00	9,073.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,200.00	0.00	0.00	9,173.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,300.00	0.00	0.00	9,273.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,400.00	0.00	0.00	9,373.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,500.00	0.00	0.00	9,473.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,600.00	0.00	0.00	9,573.16	-370.83	270.03	-266.85	0.00	0.00	0.00



Database:	EDM Conroe	Local Co-ordinate Reference:	Well #223H
Company:	Matador Resources	TVD Reference:	WELL @ 3071.00usft (Patterson 297)
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#223H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,700.00	0.00	0.00	9,673.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,800.00	0.00	0.00	9,773.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,900.00	0.00	0.00	9,873.16	-370.83	270.03	-266.85	0.00	0.00	0.00
9,922.84	0.00	0.00	9,896.00	-370.83	270.03	-266.85	0.00	0.00	0.00
Begin 10.00°/100' Build									
9,950.00	2.72	277.28	9,923.15	-370.75	269.39	-266.21	10.00	10.00	0.00
10,000.00	7.72	277.28	9,972.93	-370.17	264.88	-261.71	10.00	10.00	0.00
10,050.00	12.72	277.28	10,022.12	-369.05	256.09	-252.92	10.00	10.00	0.00
10,100.00	17.72	277.28	10,070.35	-367.39	243.08	-239.93	10.00	10.00	0.00
10,150.00	22.72	277.28	10,117.26	-365.20	225.94	-222.81	10.00	10.00	0.00
10,200.00	27.72	277.28	10,162.48	-362.50	204.82	-201.71	10.00	10.00	0.00
10,250.00	32.72	277.28	10,205.67	-359.31	179.87	-176.79	10.00	10.00	0.00
10,300.00	37.72	277.28	10,246.51	-355.66	151.28	-148.23	10.00	10.00	0.00
10,350.00	42.72	277.28	10,284.68	-351.57	119.26	-116.25	10.00	10.00	0.00
10,400.00	47.72	277.28	10,319.89	-347.07	84.07	-81.10	10.00	10.00	0.00
10,450.00	52.72	277.28	10,351.87	-342.21	45.97	-43.04	10.00	10.00	0.00
10,500.00	57.72	277.28	10,380.39	-337.00	5.25	-2.37	10.00	10.00	0.00
10,550.00	62.72	277.28	10,405.21	-331.51	-37.78	40.62	10.00	10.00	0.00
10,600.00	67.72	277.28	10,426.17	-325.76	-82.80	85.58	10.00	10.00	0.00
10,650.00	72.72	277.28	10,443.09	-319.80	-129.45	132.18	10.00	10.00	0.00
10,700.00	77.72	277.28	10,455.84	-313.67	-177.39	180.07	10.00	10.00	0.00
10,722.84	80.00	277.28	10,460.25	-310.83	-199.62	202.27	10.00	10.00	0.00
Begin 6.00°/100' Build									
10,750.00	81.63	277.28	10,464.59	-307.44	-226.22	228.84	6.00	6.00	0.00
10,800.00	84.63	277.28	10,470.57	-301.15	-275.45	278.02	6.00	6.00	0.00
10,850.00	87.63	277.28	10,473.94	-294.83	-324.93	327.44	6.00	6.00	0.00
10,900.00	90.63	277.28	10,474.70	-288.49	-374.51	376.97	6.00	6.00	0.00
10,907.84	91.10	277.28	10,474.59	-287.50	-382.29	384.73	6.00	6.00	0.00
Begin 91.10° Lateral; Begin 2.00°/100' Turn									
11,000.00	91.10	275.44	10,472.81	-277.29	-473.86	476.22	2.00	0.00	-2.00
11,100.00	91.10	273.44	10,470.89	-269.56	-573.54	575.82	2.00	0.00	-2.00
11,200.00	91.10	271.44	10,468.97	-265.31	-673.43	675.67	2.00	0.00	-2.00
11,296.38	91.10	269.51	10,467.12	-264.52	-769.78	772.01	2.00	0.00	-2.00
Hold 269.51° Azm									
11,300.00	91.10	269.51	10,467.05	-264.55	-773.40	775.63	0.00	0.00	0.00
11,400.00	91.10	269.51	10,465.13	-265.41	-873.38	875.61	0.00	0.00	0.00
11,500.00	91.10	269.51	10,463.21	-266.27	-973.35	975.60	0.00	0.00	0.00
11,600.00	91.10	269.51	10,461.29	-267.13	-1,073.33	1,075.58	0.00	0.00	0.00
11,700.00	91.10	269.51	10,459.37	-267.98	-1,173.31	1,175.56	0.00	0.00	0.00
11,800.00	91.10	269.51	10,457.46	-268.84	-1,273.29	1,275.54	0.00	0.00	0.00
11,900.00	91.10	269.51	10,455.54	-269.70	-1,373.27	1,375.52	0.00	0.00	0.00
12,000.00	91.10	269.51	10,453.62	-270.56	-1,473.24	1,475.50	0.00	0.00	0.00
12,100.00	91.10	269.51	10,451.70	-271.42	-1,573.22	1,575.49	0.00	0.00	0.00
12,200.00	91.10	269.51	10,449.78	-272.28	-1,673.20	1,675.47	0.00	0.00	0.00
12,300.00	91.10	269.51	10,447.87	-273.14	-1,773.18	1,775.45	0.00	0.00	0.00
12,400.00	91.10	269.51	10,445.95	-274.00	-1,873.16	1,875.43	0.00	0.00	0.00
12,500.00	91.10	269.51	10,444.03	-274.86	-1,973.13	1,975.41	0.00	0.00	0.00
12,600.00	91.10	269.51	10,442.11	-275.72	-2,073.11	2,075.39	0.00	0.00	0.00
12,700.00	91.10	269.51	10,440.19	-276.57	-2,173.09	2,175.38	0.00	0.00	0.00
12,800.00	91.10	269.51	10,438.27	-277.43	-2,273.07	2,275.36	0.00	0.00	0.00
12,900.00	91.10	269.51	10,436.36	-278.29	-2,373.05	2,375.34	0.00	0.00	0.00
13,000.00	91.10	269.51	10,434.44	-279.15	-2,473.02	2,475.32	0.00	0.00	0.00
13,100.00	91.10	269.51	10,432.52	-280.01	-2,573.00	2,575.30	0.00	0.00	0.00



Database:	EDM Conroe	Local Co-ordinate Reference:	Well #223H
Company:	Matador Resources	TVD Reference:	WELL @ 3071.00usft (Patterson 297)
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#223H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.00	91.10	269.51	10,430.60	-280.87	-2,672.98	2,675.28	0.00	0.00	0.00
13,300.00	91.10	269.51	10,428.68	-281.73	-2,772.96	2,775.27	0.00	0.00	0.00
13,400.00	91.10	269.51	10,426.76	-282.59	-2,872.94	2,875.25	0.00	0.00	0.00
13,500.00	91.10	269.51	10,424.85	-283.45	-2,972.91	2,975.23	0.00	0.00	0.00
13,600.00	91.10	269.51	10,422.93	-284.31	-3,072.89	3,075.21	0.00	0.00	0.00
13,700.00	91.10	269.51	10,421.01	-285.16	-3,172.87	3,175.19	0.00	0.00	0.00
13,800.00	91.10	269.51	10,419.09	-286.02	-3,272.85	3,275.17	0.00	0.00	0.00
13,900.00	91.10	269.51	10,417.17	-286.88	-3,372.82	3,375.15	0.00	0.00	0.00
14,000.00	91.10	269.51	10,415.25	-287.74	-3,472.80	3,475.14	0.00	0.00	0.00
14,100.00	91.10	269.51	10,413.34	-288.60	-3,572.78	3,575.12	0.00	0.00	0.00
14,200.00	91.10	269.51	10,411.42	-289.46	-3,672.76	3,675.10	0.00	0.00	0.00
14,300.00	91.10	269.51	10,409.50	-290.32	-3,772.74	3,775.08	0.00	0.00	0.00
14,400.00	91.10	269.51	10,407.58	-291.18	-3,872.71	3,875.06	0.00	0.00	0.00
14,500.00	91.10	269.51	10,405.66	-292.04	-3,972.69	3,975.04	0.00	0.00	0.00
14,600.00	91.10	269.51	10,403.75	-292.89	-4,072.67	4,075.03	0.00	0.00	0.00
14,700.00	91.10	269.51	10,401.83	-293.75	-4,172.65	4,175.01	0.00	0.00	0.00
14,800.00	91.10	269.51	10,399.91	-294.61	-4,272.63	4,274.99	0.00	0.00	0.00
14,900.00	91.10	269.51	10,397.99	-295.47	-4,372.60	4,374.97	0.00	0.00	0.00
15,000.00	91.10	269.51	10,396.07	-296.33	-4,472.58	4,474.95	0.00	0.00	0.00
15,100.00	91.10	269.51	10,394.15	-297.19	-4,572.56	4,574.93	0.00	0.00	0.00
15,200.00	91.10	269.51	10,392.24	-298.05	-4,672.54	4,674.92	0.00	0.00	0.00
15,300.00	91.10	269.51	10,390.32	-298.91	-4,772.52	4,774.90	0.00	0.00	0.00
15,311.95	91.10	269.51	10,390.09	-299.01	-4,784.46	4,786.84	0.00	0.00	0.00
PBHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - Jimmy Kone #22 - hit/miss target - Shape - Point	0.00	0.00	5,517.00	-370.83	270.03	453,085.17	571,929.03	32° 14' 43.562 N	104° 6' 2.443 W
PBHL - Jimmy Kone # - plan hits target center - Point	0.00	0.00	10,390.09	-299.01	-4,784.46	453,156.99	566,874.54	32° 14' 44.378 N	104° 7' 1.297 W

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
610.00	610.00	13 3/8"	13-3/8	17-1/2	
2,600.00	2,596.54	9 5/8"	9-5/8	12-1/4	
10,722.84	10,460.25	7"	7	7-1/2	
15,311.95	10,390.09	4 1/2"	5-1/2	6	



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Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#223H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,543.16	2,539.83	Z (G30:CS14-CSB) RB Medium		0.00		
2,562.71	2,559.34	Z (G26: Bell Cyn.) RB Medium		0.00		
3,456.90	3,446.91	Z (G13: Cherry Cyn.) RB Medium				
4,597.88	4,576.79	Z (G7: Brushy Cyn.) RB Medium				
6,190.70	6,163.86	Z (G4: BSG (CS9)) RB Medium				
6,841.03	6,814.19	Z (L5.3: FBSC)				
7,093.14	7,066.30	Z (L5.1: FBSC)				
7,388.76	7,361.92	Z (L4.3: SBSC)				
7,876.94	7,850.10	Z (L4.1: SBSC)				
8,107.82	8,080.98	Z (L3.3: TBSC)				
9,059.38	9,032.54	Z (L3.1: TBSC)				
9,403.87	9,377.03	Z (L2: WFMP A)				
9,434.73	9,407.89	Z (X Sand (T))				
9,473.14	9,446.30	Z (X Sand (B))				
9,503.84	9,477.00	Z (Y Sand (T))				
9,556.84	9,530.00	Z (Y Sand (B))				
9,559.84	9,533.00	Z (Z Sand (T))				
9,636.84	9,610.00	Z (Z Sand (B))				
9,713.84	9,687.00	Z (WFMP A Fat)				
9,845.84	9,819.00	Z (WFMP B)				
10,109.10	10,079.00	Z (WFMP B.1)				
10,332.98	10,272.00	Z (WFMP B.2)				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,000.00	1,000.00	0.00	0.00	KOP, 1.50°/100' Build	
1,266.67	1,266.45	-7.52	5.48	Begin 4.00° Tangent	
2,700.00	2,696.29	-88.35	64.33	Begin 1.50°/100' Build	
2,966.57	2,961.35	-110.87	80.73	Begin 8.00° Tangent	
5,010.60	4,985.49	-340.79	248.16	Begin 1.50°/100' Drop	
5,543.84	5,517.00	-370.83	270.03	Begin Vertical Hold	
9,922.84	9,896.00	-370.83	270.03	Begin 10.00°/100' Build	
10,722.84	10,460.25	-310.83	-199.62	Begin 6.00°/100' Build	
10,907.84	10,474.59	-287.50	-382.29	Begin 91.10° Lateral; Begin 2.00°/100' Turn	
11,296.38	10,467.12	-264.52	-769.78	Hold 269.51° Azm	
15,311.95	10,390.09	-299.01	-4,784.46	PBHL	

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., Sante 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.
Sante 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 30-015-43958		² Pool Code 75750		³ Pool Name CULEBRA BLUFF;WOLFCAMP, SOUTH (GAS)		
⁴ Property Code 315284		⁵ Property Name JIMMY KONE 05-24S-28E RB			⁶ Well Number #226H	
⁷ OGRID No. 228937		⁸ Operator Name MATADOR PRODUCTION COMPANY			⁹ Elevation 3043'	

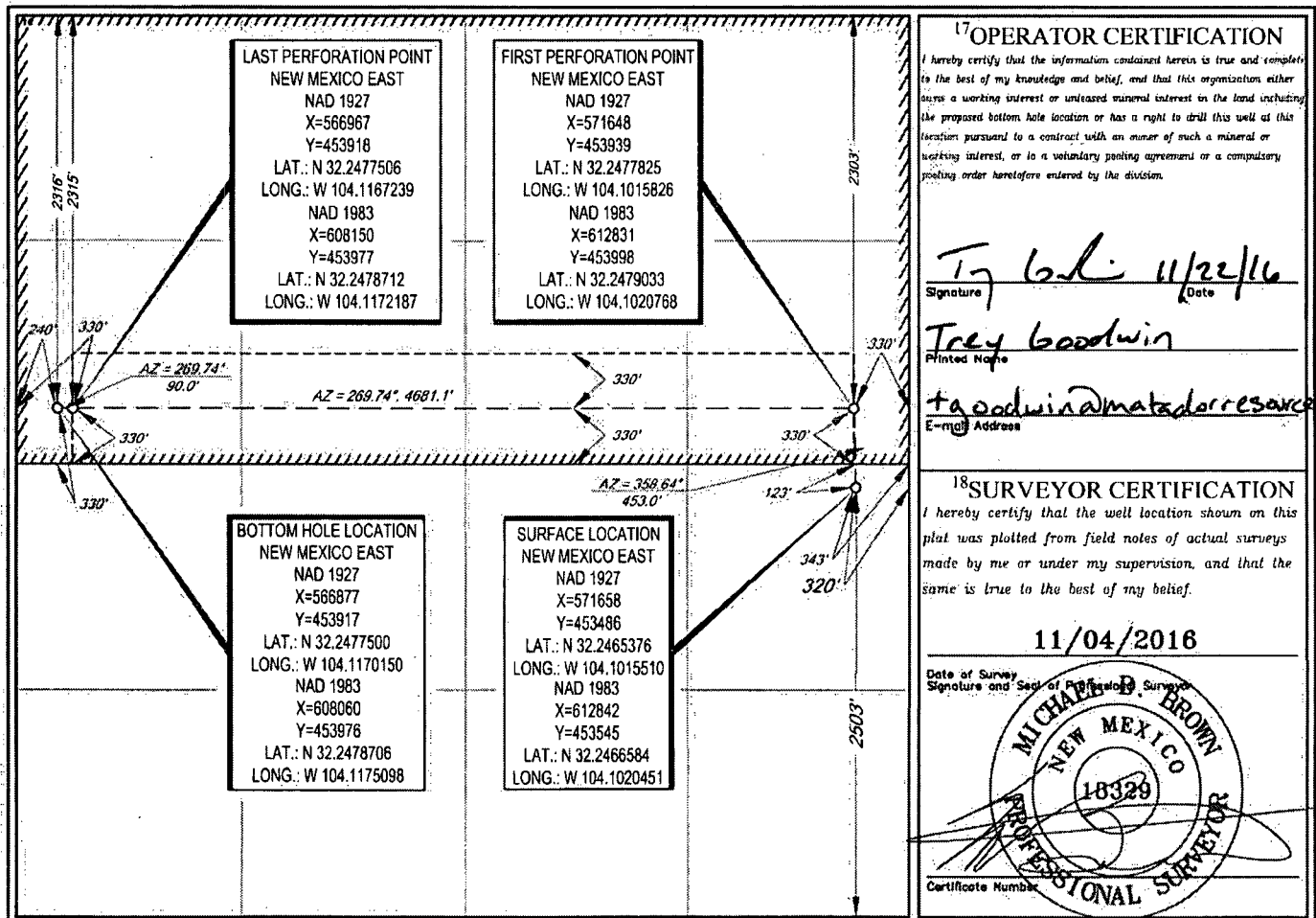
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	5	24-S	28-E	-	2503'	SOUTH	320'	EAST	EDDY

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	5	24-S	28-E	-	2316'	NORTH	240'	WEST	EDDY

¹¹ Dedicated Acres 320	¹² Joint or Infill	¹⁴ Consolidation Code	¹³ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





Company: Matador Resources
 Site: Jimmy Kone 05-24S-28E RB
 Well: #225H
 Project: Eddy County, New Mexico (NAD 27)
 Rig: Patterson 297



WELL DETAILS #225H

+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.00	0.00	45348.05	571658.47	32° 14' 47.535 N	104° 8' 5.584 W

Align to Grid North
 True North: 0.15°
 Magnetic North: 7.19°

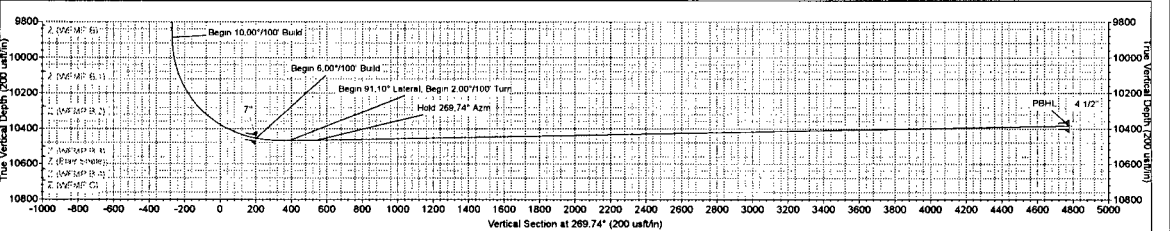
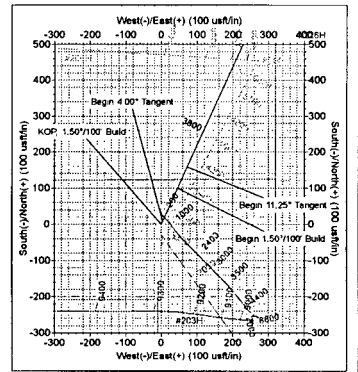
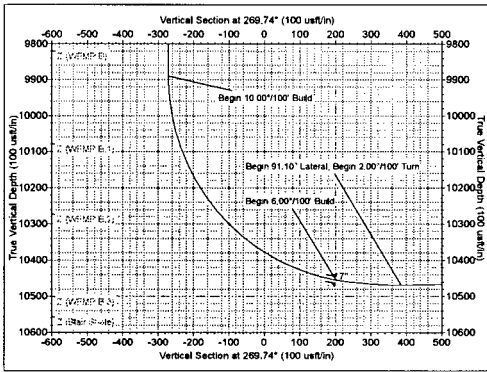
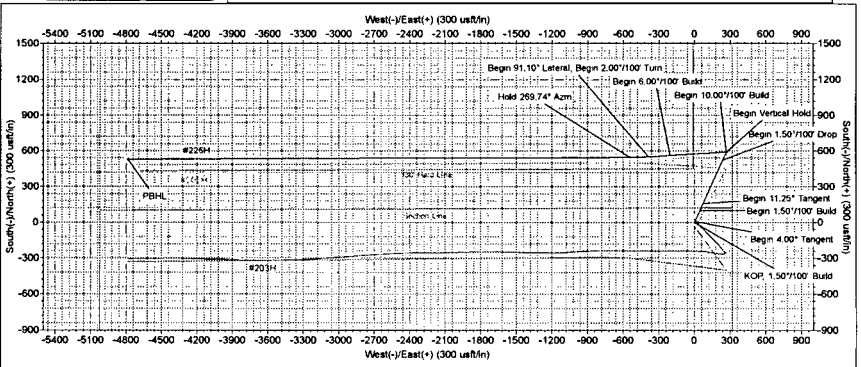
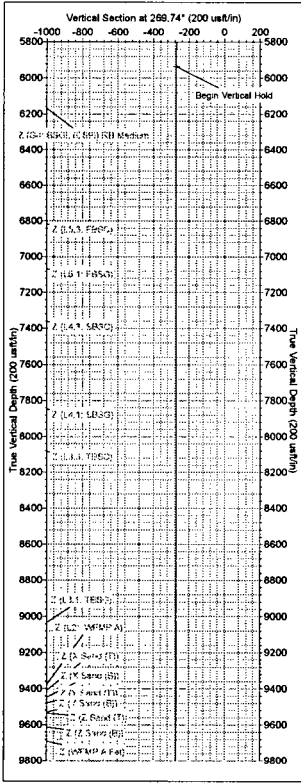
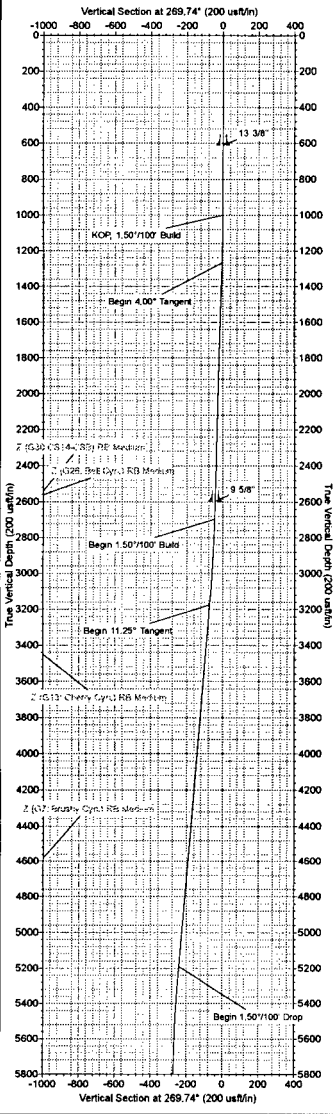
Magnetic Field
 Strength: 48037.2nT
 Dip Angle: 60.00°
 Date: 11/24/2016
 Model: BQM2016

US State Plane 1927 (Exact solution)
 New Mexico East 3001

Created By: HLH
 Date: 9/37, November 11 2016
 Plan: Design #1

ANNOTATIONS

MD	Inc	As	TVD	+N-S	+E-W	Vsect	Departure	Annotation
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	KOP: 1.50°/100' Build
1266.67	4.00	24.54	1266.45	6.45	3.86	-3.90	9.30	Begin 4.00° Tangent
2700.00	4.00	24.54	2696.29	99.42	45.38	-45.84	109.29	Begin 1.50°/100' Build
3183.46	11.25	24.54	3175.16	157.74	72.02	-72.73	173.40	Begin 11.25° Tangent
5237.47	11.25	24.54	5199.59	522.32	238.48	-240.84	574.19	Begin 1.50°/100' Drop
5987.60	0.00	0.00	5925.00	589.11	288.97	-271.64	647.61	Begin Vertical Hold
9942.60	0.00	0.00	9890.00	589.11	288.97	-271.64	647.61	Begin 10.00°/100' Build
10742.60	80.00	266.80	10454.25	561.03	-263.66	201.11	1121.07	Begin 6.00°/100' Build
10927.60	91.10	269.50	10468.58	550.11	-387.49	384.99	1305.23	Begin 91.10° Lateral, Begin 2.00°/100' Turn
11084.70	91.10	269.74	10465.57	545.10	-544.47	541.99	1462.30	Hold 269.74° Azm
15322.60	91.10	269.74	10384.24	528.07	-4781.54	4779.10	5899.42	PBH-L



The customer should only rely on the documents independently verifying all points, bearings, distances and hand lines represented. Any decisions made in wellbore drilling are at the weller's risk and responsibility of the customer. MS Energy is not responsible for the accuracy of the information contained herein.



Matador Resources

Eddy County, New Mexico (NAD 27)

Jimmy Kone 05-24S-28E RB

#226H

Wellbore #1

Plan: Design #1

Standard Planning Report

11 November, 2016





Database:	EDM Conroe	Local Co-ordinate Reference:	Well #226H
Company:	Matador Resources	TVD Reference:	WELL @ 3071.00usft (Patterson 297)
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Eddy County, New Mexico (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Well	#226H			
Well Position	+N/-S	453,486.06 usft	Northing:	453,486.06 usft
	+E/-W	571,658.47 usft	Easting:	571,658.47 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	
			Latitude:	32° 14' 47.535 N
			Longitude:	104° 6' 5.584 W
			Ground Level:	3,042.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	BGGM2016	11/24/2016	(°)	(°)	(nT)
			7.32	60.00	48,037

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	269.74

Plan Survey Tool Program	Date 11/11/2016			
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.00	15,322.60 Design #1 (Wellbore #1)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Buld	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,266.67	4.00	24.54	1,266.45	8.46	3.86	1.50	1.50	0.00	24.54	VP - Jimmy Kone #
2,700.00	4.00	24.54	2,696.29	99.42	45.39	0.00	0.00	0.00	0.00	
3,183.46	11.25	24.54	3,175.16	157.74	72.02	1.50	1.50	0.00	0.00	
5,237.47	11.25	24.54	5,189.69	522.32	238.48	0.00	0.00	0.00	0.00	
5,987.60	0.00	0.00	5,935.00	589.11	268.97	1.50	-1.50	0.00	180.00	VP - Jimmy Kone #
9,942.60	0.00	0.00	9,890.00	589.11	268.97	0.00	0.00	0.00	0.00	
10,742.60	80.00	266.60	10,454.25	561.03	-203.66	10.00	10.00	0.00	266.60	
10,927.60	91.10	266.60	10,468.59	550.11	-387.49	6.00	6.00	0.00	0.00	
11,084.70	91.10	269.74	10,465.57	545.10	-544.47	2.00	0.00	2.00	89.98	
15,322.60	91.10	269.74	10,384.24	526.07	-4,781.54	0.00	0.00	0.00	0.00	PBHL - Jimmy Kone



MS Energy Services
Planning Report



Database:	EDM Conroe	Local Co-ordinate Reference:	Well #226H
Company:	Matador Resources	TVD Reference:	WELL @ 3071.00usft (Patterson 297)
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
KOP, 1.50°/100' Build										
1,100.00	1.50	24.54	1,099.99	1.19	0.54	-0.55	1.50	1.50	0.00	
1,200.00	3.00	24.54	1,199.91	4.76	2.17	-2.20	1.50	1.50	0.00	
1,266.67	4.00	24.54	1,266.45	8.46	3.86	-3.90	1.50	1.50	0.00	
Begin 4.00° Tangent										
1,300.00	4.00	24.54	1,299.70	10.58	4.83	-4.88	0.00	0.00	0.00	
1,400.00	4.00	24.54	1,399.46	16.92	7.73	-7.80	0.00	0.00	0.00	
1,500.00	4.00	24.54	1,499.22	23.27	10.62	-10.73	0.00	0.00	0.00	
1,600.00	4.00	24.54	1,598.97	29.62	13.52	-13.66	0.00	0.00	0.00	
1,700.00	4.00	24.54	1,698.73	35.96	16.42	-16.58	0.00	0.00	0.00	
1,800.00	4.00	24.54	1,798.48	42.31	19.32	-19.51	0.00	0.00	0.00	
1,900.00	4.00	24.54	1,898.24	48.65	22.21	-22.43	0.00	0.00	0.00	
2,000.00	4.00	24.54	1,998.00	55.00	25.11	-25.36	0.00	0.00	0.00	
2,100.00	4.00	24.54	2,097.75	61.34	28.01	-28.29	0.00	0.00	0.00	
2,200.00	4.00	24.54	2,197.51	67.69	30.90	-31.21	0.00	0.00	0.00	
2,300.00	4.00	24.54	2,297.27	74.03	33.80	-34.14	0.00	0.00	0.00	
2,400.00	4.00	24.54	2,397.02	80.38	36.70	-37.06	0.00	0.00	0.00	
2,500.00	4.00	24.54	2,496.78	86.73	39.60	-39.99	0.00	0.00	0.00	
2,600.00	4.00	24.54	2,596.54	93.07	42.49	-42.92	0.00	0.00	0.00	
2,700.00	4.00	24.54	2,696.29	99.42	45.39	-45.84	0.00	0.00	0.00	
Begin 1.50°/100' Build										
2,800.00	5.50	24.54	2,795.95	106.95	48.83	-49.31	1.50	1.50	0.00	
2,900.00	7.00	24.54	2,895.35	116.85	53.35	-53.88	1.50	1.50	0.00	
3,000.00	8.50	24.54	2,994.43	129.12	58.95	-59.54	1.50	1.50	0.00	
3,100.00	10.00	24.54	3,093.13	143.74	65.63	-66.28	1.50	1.50	0.00	
3,183.46	11.25	24.54	3,175.16	157.74	72.02	-72.73	1.50	1.50	0.00	
Begin 11.25° Tangent										
3,200.00	11.25	24.54	3,191.38	160.68	73.36	-74.09	0.00	0.00	0.00	
3,300.00	11.25	24.54	3,289.46	178.43	81.46	-82.27	0.00	0.00	0.00	
3,400.00	11.25	24.54	3,387.53	196.18	89.57	-90.46	0.00	0.00	0.00	
3,500.00	11.25	24.54	3,485.61	213.93	97.67	-98.64	0.00	0.00	0.00	
3,600.00	11.25	24.54	3,583.69	231.68	105.78	-106.83	0.00	0.00	0.00	
3,700.00	11.25	24.54	3,681.77	249.43	113.88	-115.01	0.00	0.00	0.00	
3,800.00	11.25	24.54	3,779.85	267.17	121.98	-123.20	0.00	0.00	0.00	
3,900.00	11.25	24.54	3,877.92	284.92	130.09	-131.38	0.00	0.00	0.00	
4,000.00	11.25	24.54	3,976.00	302.67	138.19	-139.56	0.00	0.00	0.00	
4,100.00	11.25	24.54	4,074.08	320.42	146.30	-147.75	0.00	0.00	0.00	
4,200.00	11.25	24.54	4,172.16	338.17	154.40	-155.93	0.00	0.00	0.00	
4,300.00	11.25	24.54	4,270.24	355.92	162.50	-164.12	0.00	0.00	0.00	
4,400.00	11.25	24.54	4,368.31	373.67	170.61	-172.30	0.00	0.00	0.00	
4,500.00	11.25	24.54	4,466.39	391.42	178.71	-180.49	0.00	0.00	0.00	
4,600.00	11.25	24.54	4,564.47	409.17	186.82	-188.67	0.00	0.00	0.00	
4,700.00	11.25	24.54	4,662.55	426.92	194.92	-196.86	0.00	0.00	0.00	



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Planning Report



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Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.00	11.25	24.54	4,760.62	444.67	203.02	-205.04	0.00	0.00	0.00
4,900.00	11.25	24.54	4,858.70	462.42	211.13	-213.22	0.00	0.00	0.00
5,000.00	11.25	24.54	4,956.78	480.17	219.23	-221.41	0.00	0.00	0.00
5,100.00	11.25	24.54	5,054.86	497.92	227.34	-229.59	0.00	0.00	0.00
5,200.00	11.25	24.54	5,152.94	515.67	235.44	-237.78	0.00	0.00	0.00
5,237.47	11.25	24.54	5,189.69	522.32	238.48	-240.84	0.00	0.00	0.00
Begin 1.50°/100' Drop									
5,300.00	10.31	24.54	5,251.11	532.96	243.34	-245.75	1.50	-1.50	0.00
5,400.00	8.81	24.54	5,349.72	548.08	250.24	-252.72	1.50	-1.50	0.00
5,500.00	7.31	24.54	5,448.73	560.84	256.06	-258.60	1.50	-1.50	0.00
5,600.00	5.81	24.54	5,548.07	571.24	260.81	-263.40	1.50	-1.50	0.00
5,700.00	4.31	24.54	5,647.68	579.27	264.48	-267.10	1.50	-1.50	0.00
5,800.00	2.81	24.54	5,747.48	584.92	267.06	-269.71	1.50	-1.50	0.00
5,900.00	1.31	24.54	5,847.41	588.20	268.55	-271.22	1.50	-1.50	0.00
5,987.60	0.00	0.00	5,935.00	589.11	268.97	-271.64	1.50	-1.50	0.00
Begin Vertical Hold									
6,000.00	0.00	0.00	5,947.40	589.11	268.97	-271.64	0.00	0.00	0.00
6,100.00	0.00	0.00	6,047.40	589.11	268.97	-271.64	0.00	0.00	0.00
6,200.00	0.00	0.00	6,147.40	589.11	268.97	-271.64	0.00	0.00	0.00
6,300.00	0.00	0.00	6,247.40	589.11	268.97	-271.64	0.00	0.00	0.00
6,400.00	0.00	0.00	6,347.40	589.11	268.97	-271.64	0.00	0.00	0.00
6,500.00	0.00	0.00	6,447.40	589.11	268.97	-271.64	0.00	0.00	0.00
6,600.00	0.00	0.00	6,547.40	589.11	268.97	-271.64	0.00	0.00	0.00
6,700.00	0.00	0.00	6,647.40	589.11	268.97	-271.64	0.00	0.00	0.00
6,800.00	0.00	0.00	6,747.40	589.11	268.97	-271.64	0.00	0.00	0.00
6,900.00	0.00	0.00	6,847.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,000.00	0.00	0.00	6,947.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,100.00	0.00	0.00	7,047.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,200.00	0.00	0.00	7,147.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,300.00	0.00	0.00	7,247.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,400.00	0.00	0.00	7,347.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,500.00	0.00	0.00	7,447.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,600.00	0.00	0.00	7,547.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,700.00	0.00	0.00	7,647.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,800.00	0.00	0.00	7,747.40	589.11	268.97	-271.64	0.00	0.00	0.00
7,900.00	0.00	0.00	7,847.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,000.00	0.00	0.00	7,947.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,100.00	0.00	0.00	8,047.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,200.00	0.00	0.00	8,147.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,300.00	0.00	0.00	8,247.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,400.00	0.00	0.00	8,347.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,500.00	0.00	0.00	8,447.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,600.00	0.00	0.00	8,547.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,700.00	0.00	0.00	8,647.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,800.00	0.00	0.00	8,747.40	589.11	268.97	-271.64	0.00	0.00	0.00
8,900.00	0.00	0.00	8,847.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,000.00	0.00	0.00	8,947.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,100.00	0.00	0.00	9,047.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,200.00	0.00	0.00	9,147.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,300.00	0.00	0.00	9,247.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,400.00	0.00	0.00	9,347.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,500.00	0.00	0.00	9,447.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,600.00	0.00	0.00	9,547.40	589.11	268.97	-271.64	0.00	0.00	0.00



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Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,700.00	0.00	0.00	9,647.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,800.00	0.00	0.00	9,747.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,900.00	0.00	0.00	9,847.40	589.11	268.97	-271.64	0.00	0.00	0.00
9,942.60	0.00	0.00	9,890.00	589.11	268.97	-271.64	0.00	0.00	0.00
Begin 10.00°/100' Build									
9,950.00	0.74	266.60	9,897.40	589.11	268.92	-271.59	10.00	10.00	0.00
10,000.00	5.74	266.60	9,947.31	588.94	266.10	-268.77	10.00	10.00	0.00
10,050.00	10.74	266.60	9,996.78	588.51	258.95	-261.62	10.00	10.00	0.00
10,100.00	15.74	266.60	10,045.43	587.84	247.52	-250.19	10.00	10.00	0.00
10,150.00	20.74	266.60	10,092.90	586.91	231.90	-234.57	10.00	10.00	0.00
10,200.00	25.74	266.60	10,138.83	585.74	212.22	-214.87	10.00	10.00	0.00
10,250.00	30.74	266.60	10,182.87	584.34	188.61	-191.26	10.00	10.00	0.00
10,300.00	35.74	266.60	10,224.67	582.71	161.26	-163.90	10.00	10.00	0.00
10,350.00	40.74	266.60	10,263.93	580.88	130.37	-133.01	10.00	10.00	0.00
10,400.00	45.74	266.60	10,300.34	578.85	96.19	-98.82	10.00	10.00	0.00
10,450.00	50.74	266.60	10,333.63	576.63	58.97	-61.59	10.00	10.00	0.00
10,500.00	55.74	266.60	10,363.55	574.26	19.00	-21.60	10.00	10.00	0.00
10,550.00	60.74	266.60	10,389.86	571.74	-23.43	20.83	10.00	10.00	0.00
10,600.00	65.74	266.60	10,412.36	569.09	-67.98	65.40	10.00	10.00	0.00
10,650.00	70.74	266.60	10,430.89	566.34	-114.32	111.75	10.00	10.00	0.00
10,700.00	75.74	266.60	10,445.30	563.50	-162.10	159.54	10.00	10.00	0.00
10,742.60	80.00	266.60	10,454.25	561.03	-203.66	201.11	10.00	10.00	0.00
Begin 6.00°/100' Build									
10,750.00	80.44	266.60	10,455.51	560.60	-210.94	208.40	6.00	6.00	0.00
10,800.00	83.44	266.60	10,462.52	557.66	-260.36	257.82	6.00	6.00	0.00
10,850.00	86.44	266.60	10,466.92	554.71	-310.07	307.55	6.00	6.00	0.00
10,900.00	89.44	266.60	10,468.72	551.75	-359.94	357.44	6.00	6.00	0.00
10,927.60	91.10	266.60	10,468.59	550.11	-387.49	384.99	6.00	6.00	0.00
Begin 91.10° Lateral; Begin 2.00°/100' Turn									
11,000.00	91.10	268.05	10,467.19	546.73	-459.80	457.31	2.00	0.00	2.00
11,084.70	91.10	269.74	10,465.57	545.10	-544.47	541.99	2.00	0.00	2.00
Hold 269.74° Azm									
11,100.00	91.10	269.74	10,465.28	545.03	-559.76	557.28	0.00	0.00	0.00
11,200.00	91.10	269.74	10,463.36	544.58	-659.74	657.27	0.00	0.00	0.00
11,300.00	91.10	269.74	10,461.44	544.13	-759.72	757.25	0.00	0.00	0.00
11,400.00	91.10	269.74	10,459.52	543.68	-859.70	857.23	0.00	0.00	0.00
11,500.00	91.10	269.74	10,457.60	543.23	-959.69	957.21	0.00	0.00	0.00
11,600.00	91.10	269.74	10,455.68	542.78	-1,059.67	1,057.19	0.00	0.00	0.00
11,700.00	91.10	269.74	10,453.76	542.33	-1,159.65	1,157.17	0.00	0.00	0.00
11,800.00	91.10	269.74	10,451.84	541.89	-1,259.63	1,257.16	0.00	0.00	0.00
11,900.00	91.10	269.74	10,449.92	541.44	-1,359.61	1,357.14	0.00	0.00	0.00
12,000.00	91.10	269.74	10,448.00	540.99	-1,459.59	1,457.12	0.00	0.00	0.00
12,100.00	91.10	269.74	10,446.08	540.54	-1,559.57	1,557.10	0.00	0.00	0.00
12,200.00	91.10	269.74	10,444.16	540.09	-1,659.55	1,657.08	0.00	0.00	0.00
12,300.00	91.10	269.74	10,442.25	539.64	-1,759.53	1,757.06	0.00	0.00	0.00
12,400.00	91.10	269.74	10,440.33	539.19	-1,859.51	1,857.04	0.00	0.00	0.00
12,500.00	91.10	269.74	10,438.41	538.74	-1,959.49	1,957.03	0.00	0.00	0.00
12,600.00	91.10	269.74	10,436.49	538.29	-2,059.47	2,057.01	0.00	0.00	0.00
12,700.00	91.10	269.74	10,434.57	537.84	-2,159.45	2,156.99	0.00	0.00	0.00
12,800.00	91.10	269.74	10,432.65	537.40	-2,259.43	2,256.97	0.00	0.00	0.00
12,900.00	91.10	269.74	10,430.73	536.95	-2,359.41	2,356.95	0.00	0.00	0.00
13,000.00	91.10	269.74	10,428.81	536.50	-2,459.39	2,456.93	0.00	0.00	0.00
13,100.00	91.10	269.74	10,426.89	536.05	-2,559.37	2,556.92	0.00	0.00	0.00



Database:	EDM Conroe	Local Co-ordinate Reference:	Well #226H
Company:	Matador Resources	TVD Reference:	WELL @ 3071.00usft (Patterson 297)
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.00	91.10	269.74	10,424.97	535.60	-2,659.36	2,656.90	0.00	0.00	0.00
13,300.00	91.10	269.74	10,423.05	535.15	-2,759.34	2,756.88	0.00	0.00	0.00
13,400.00	91.10	269.74	10,421.13	534.70	-2,859.32	2,856.86	0.00	0.00	0.00
13,500.00	91.10	269.74	10,419.22	534.25	-2,959.30	2,956.84	0.00	0.00	0.00
13,600.00	91.10	269.74	10,417.30	533.80	-3,059.28	3,056.82	0.00	0.00	0.00
13,700.00	91.10	269.74	10,415.38	533.36	-3,159.26	3,156.81	0.00	0.00	0.00
13,800.00	91.10	269.74	10,413.46	532.91	-3,259.24	3,256.79	0.00	0.00	0.00
13,900.00	91.10	269.74	10,411.54	532.46	-3,359.22	3,356.77	0.00	0.00	0.00
14,000.00	91.10	269.74	10,409.62	532.01	-3,459.20	3,456.75	0.00	0.00	0.00
14,100.00	91.10	269.74	10,407.70	531.56	-3,559.18	3,556.73	0.00	0.00	0.00
14,200.00	91.10	269.74	10,405.78	531.11	-3,659.16	3,656.71	0.00	0.00	0.00
14,300.00	91.10	269.74	10,403.86	530.66	-3,759.14	3,756.69	0.00	0.00	0.00
14,400.00	91.10	269.74	10,401.94	530.21	-3,859.12	3,856.68	0.00	0.00	0.00
14,500.00	91.10	269.74	10,400.02	529.76	-3,959.10	3,956.66	0.00	0.00	0.00
14,600.00	91.10	269.74	10,398.10	529.31	-4,059.08	4,056.64	0.00	0.00	0.00
14,700.00	91.10	269.74	10,396.19	528.87	-4,159.06	4,156.62	0.00	0.00	0.00
14,800.00	91.10	269.74	10,394.27	528.42	-4,259.04	4,256.60	0.00	0.00	0.00
14,900.00	91.10	269.74	10,392.35	527.97	-4,359.02	4,356.58	0.00	0.00	0.00
15,000.00	91.10	269.74	10,390.43	527.52	-4,459.01	4,456.57	0.00	0.00	0.00
15,100.00	91.10	269.74	10,388.51	527.07	-4,558.99	4,556.55	0.00	0.00	0.00
15,200.00	91.10	269.74	10,386.59	526.62	-4,658.97	4,656.53	0.00	0.00	0.00
15,300.00	91.10	269.74	10,384.67	526.17	-4,758.95	4,756.51	0.00	0.00	0.00
15,322.60	91.10	269.74	10,384.24	526.07	-4,781.54	4,779.10	0.00	0.00	0.00
PBHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - Jimmy Kone #22 - hit/miss target - Shape - Point	0.00	0.00	5,935.00	589.11	268.97	454,075.17	571,927.44	32° 14' 53.360 N	104° 6' 2.437 W
PBHL - Jimmy Kone # - plan hits target center - Point	0.00	0.00	10,384.24	526.07	-4,781.54	454,012.13	566,876.93	32° 14' 52.840 N	104° 7' 1.249 W

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
610.00	610.00	13 3/8"	13-3/8	17-1/2	
2,600.00	2,596.54	9 5/8"	9-5/8	12-1/4	
10,742.60	10,454.25	7"	7	7-1/2	
15,322.60	10,384.24	4 1/2"	5-1/2	6	



Database:	EDM Conroe	Local Co-ordinate Reference:	Well #226H
Company:	Matador Resources	TVD Reference:	WELL @ 3071.00usft (Patterson 297)
Project:	Eddy County, New Mexico (NAD 27)	MD Reference:	WELL @ 3071.00usft (Patterson 297)
Site:	Jimmy Kone 05-24S-28E RB	North Reference:	Grid
Well:	#226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,545.33	2,542.00	Z (G30:CS14-CSB) RB	Medium	0.00	
2,565.38	2,562.00	Z (G26: Bell Cyn.) RB	Medium	0.00	
3,463.69	3,450.00	Z (G13: Cherry Cyn.) RB	Medium	0.00	
4,615.84	4,580.00	Z (G7: Brushy Cyn.) RB	Medium	0.00	
6,220.60	6,168.00	Z (G4: BSG (CS9)) RB	Medium		
6,869.60	6,817.00	Z (L5.3: FBSC)			
7,120.60	7,068.00	Z (L5.1: FBSC)			
7,413.60	7,361.00	Z (L4.3: SBSC)			
7,900.60	7,848.00	Z (L4.1: SBSG)			
8,135.60	8,083.00	Z (L3.3: TBSC)			
9,085.60	9,033.00	Z (L3.1: TBSG)			
9,430.60	9,378.00	Z (L2: WFMP A)			
9,461.60	9,409.00	Z (X Sand (T))			
9,499.60	9,447.00	Z (X Sand (B))			
9,530.60	9,478.00	Z (Y Sand (T))			
9,582.60	9,530.00	Z (Y Sand (B))			
9,588.60	9,536.00	Z (Z Sand (T))			
9,665.60	9,613.00	Z (Z Sand (B))			
9,741.60	9,689.00	Z (WFMP A Fat)			
9,871.60	9,819.00	Z (WFMP B)			
10,134.15	10,078.00	Z (WFMP B.1)			
10,360.74	10,272.00	Z (WFMP B.2)			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,000.00	1,000.00	0.00	0.00	KOP, 1.50°/100' Build
1,266.67	1,266.45	8.46	3.86	Begin 4.00° Tangent
2,700.00	2,696.29	99.42	45.39	Begin 1.50°/100' Build
3,183.46	3,175.16	157.74	72.02	Begin 11.25° Tangent
5,237.47	5,189.69	522.32	238.48	Begin 1.50°/100' Drop
5,987.60	5,935.00	589.11	268.97	Begin Vertical Hold
9,942.60	9,890.00	589.11	268.97	Begin 10.00°/100' Build
10,742.60	10,454.25	561.03	-203.66	Begin 6.00°/100' Build
10,927.60	10,468.59	550.11	-387.49	Begin 91.10° Lateral; Begin 2.00°/100' Turn
11,084.70	10,465.57	545.10	-544.47	Hold 269.74° Azm
15,322.60	10,384.24	526.07	-4,781.54	PBHL