Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

Carlsbad Field Office
OCD Hobbs
HOBBS OCD
JAN 16 2019
RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM136226

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
LESLIE FED COM 215H

2. Name of Operator
MATADOR PRODUCTION COMPANY

Contact: TAMMY R LINK
E-Mail: tlink@matadorresources.com

9. API Well No.
30-025-44546

3a. Address
5400 LBJ FREEWAY, SUITE 1500
DALLAS, TX 75240

3b. Phone No. (include area code)
Ph: 575-627-2465

10. Field and Pool or Exploratory Area
DOGIE DRAW; WOLFCAMP

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 17 T25S R35E Mer NMP SWSW 295FSL 1162FWL

11. County or Parish, State
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BLM Bond No: NMB0001079
Surety Bond:RLB0015172

KM 12/17/18

Please see attached C-102 to revise the SHL and BHL of Matador's Leslie Fed Com #215H well:
SHL: From 295' FSL and 1232' FWL of Sec. 17, T25S, R35E to 295' FSL and 1162' FWL of Sec. 17, T25S, R35E
BHL: from 240' FNL and 988' FWL, Sec. 17, T25S, R35E, to 100' FNL and 1268' FWL of Sec. 17, T25S, R35E.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Please also see attached table for the following changes:
Adjusted Surface casing depth from 1000' to 950' due to new information on the Rustler top based on recent offset wells.

12/27/2018: Engineering review completed by M Hogue

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #447130 verified by the BLM Well Information System
For MATADOR PRODUCTION COMPANY, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 12/13/2018 ()

Name *(Printed/Typed)* TAMMY R LINK — Title PRODUCTION ANALYST

Signature (Electronic Submission) — Date 12/10/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CS Walls — Title S.P.E. — Date 12/27/18

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

KZ

Additional data for EC transaction #447130 that would not fit on the form

32. Additional remarks, continued

Adjusted Intermediate I casing depth from 5600' to 5500' due to new information on the Base of the salt from recent offset wells.
Adjusted Intermediate II casing from 7 5/8" to x 7" to 7 5/8" longstring and adjusted estimated setting depths.
Adjusted production hole size from 6 1/8" to 6 3/4" and the bottom production casing size from 4 1/2" 13.5# P-110/TXP to 5 1/2" 20# P-110 Eagle SFH. Spec sheet attached for 5 1/2" 20# Eagle SFH.
Adjusted cement volumes for all strings accordingly.

The W/2W/2 of Section 17 and the E/2W/2 of Section 17 have uniform interests as to the mineral estate in the objective formation and therefore the setback requirements do not apply to the eastern boundary line of this spacing unit. See NMAC 19.15.16.15(C)(7). New Directional Plans are also attached.

Please e-mail all questions to JD Harkrider, jharkrider@matadorresources.com.

Formation Name	TVD	Bearing
Quaternary Fill	0	Water
Dewey Lake	389	Water
Rustler	909	Water
Salado	1431	Barren
Castile	3724	Barren
Base of Salt	5451	Barren
Bell Canyon	5474	Hydrocarbons
Cherry Canyon	6469	Hydrocarbons
Brushy Canyon	7917	Hydrocarbons
Bone Spring Lime	9254	Hydrocarbons
1st Bone Spring Carbonate	10323	Hydrocarbons
1st Bone Spring Sand	10397	Hydrocarbons
2nd Bone Spring Carbonate	10605	Hydrocarbons
2nd Bone Spring Sand	10994	Hydrocarbons
3rd Bone Spring Carbonate	11456	Hydrocarbons
3rd Bone Spring Sand	12111	Hydrocarbons
Wolfcamp A	12443	Hydrocarbons
Wolfcamp B	12818	Hydrocarbons
Strawn	14281	Hydrocarbons

Name	Hole Size	Casing Size	Wt/Grade	Thread Collar	Setting Depth	Top Cement
Surface	17-1/2"	13-3/8" (new)	54.5# J-55	BTC	950	Surface
Intermediate	12-1/4"	9-5/8" (new)	40# J-55	BTC	5500	Surface
Intermediate 2	8-3/4"	7-5/8" (new)	29.7# P-110	BTC	5200	5200
		7-5/8" (new)	29.7# P110	HTFNR	12700	
Production	6-3/4"	5-1/2" (new)	20# P-110	BTC	12000	12400
		5-1/2" (new)	20# P-110	Eagle SFH	17309	

***5-1/2" SF will be Eagle SFH or like connection

Name	Type	Sacks	Yield	Weight	Blend
Surface	Lead	200	1.75	13.5	Class C + Bentonite + 2% CaCL2 + 3% NaCl + LCM
	Tail	700	1.35	14.8	Class C + 5% NaCl + LCM
TOC = 0'		100% Excess			Centralizers per Onshore Order 2.III.B.1f
Intermediate	Lead	500	1.94	12.8	Class C + Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	180	1.35	14.8	Class C + 5% NaCl + LCM
TOC = 0'		50% Excess			2 on btm jt, 1 on 2nd jt, 1 every 4th jt to surface
Intermediate 2	Lead	315	2.79	11	Class C + Fluid Loss + Dispersant + Retarder + LCM
	Tail	110	1.46	13.2	Class C + Fluid Loss + Dispersant + Retarder + LCM
TOC = 5200'		35% Excess			1 every 4th jt from KOP to TOC; See requested variance
Production	Tail	375	1.233	14.2	Class H + Fluid Loss + Dispersant + Retarder + LCM
TOC = 12400'		10% Excess			See requested Variance

***All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.I.h

***Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed.

***A variance is requested to wave the centralizer requirement for the 7-5/8" flush casing in the last 800' of 8-3/4" hole and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

Name	Hole Size	Mud Weight	Visc	Fluid Loss	Type Mud
Surface	17-1/2"	8.30	28	NC	FW Spud Mud
Intermediate	12-1/4"	10.00	30-32	NC	Brine Water
Intermediate 2	8-3/4"	9.00	30-31	NC	FW/Cut Brine
Production	6-3/4"	12.00	50-60	<10	OBM

U. S. Steel Tubular Products

5.500" 20.00lbs/ft (0.361" Wall) P110 HP USS-EAGLE SFH™

MECHANICAL PROPERTIES	Pipe	USS-EAGLE SFH™	
Minimum Yield Strength	125,000	--	psi
Maximum Yield Strength	140,000	--	psi
Minimum Tensile Strength	130,000	--	psi
DIMENSIONS	**Pipe**	**USS-EAGLE SFH™**	
Outside Diameter	5.500	5.830	in.
Wall Thickness	0.361	--	in.
Inside Diameter	4.778	4.693	in.
Standard Drift	4.653	4.653	in.
Alternate Drift	--	4.653	in.
Nominal Linear Weight, T&C	20.00	--	lbs/ft
Plain End Weight	19.83	--	lbs/ft
SECTION AREA	**Pipe**	**USS-EAGLE SFH™**	
Critical Area	5.828	5.027	sq. in.
Joint Efficiency	--	86.3	%
PERFORMANCE	**Pipe**	**USS-EAGLE SFH™**	
Minimum Collapse Pressure	13,150	13,150	psi
External Pressure Leak Resistance	--	13,150	psi
Minimum Internal Yield Pressure	14,360	14,360	psi
Minimum Pipe Body Yield Strength	729,000	--	lbs
Joint Strength	--	628,000	lbs
Compression Rating	--	628,000	lbs
Reference Length	--	20,933	ft
Maximum Uniaxial Bend Rating	--	89.7	deg/100 ft
MAKE-UP DATA	**Pipe**	**USS-EAGLE SFH™**	
Make-Up Loss	--	5.92	in.
Minimum Make-Up Torque	--	14,200	ft-lbs
Maximum Make-Up Torque	--	16,800	ft-lbs
Maximum Operating Torque	--	25,700	ft-lbs

U. S. Steel Tubular Products
460 Wildwood Forest Drive. Suite 300S
Spring. Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

Project: Lea County, NM (NAD 27)
Site: Leslie Fed Com
Well: 215H
Wellbore: OH
Design: Plan 2 12-10-18
Rig: Patterson 241

PHOENIX TECHNOLOGY SERVICES

Azimuths to Grid North
True North: -0.50°
Magnetic North: 6.14°

Magnetic Field
Strength: 47783.6snT
Dip Angle: 59.78°
Date: 1/31/2019
Model: MVHD

RKB @ 3338.50usft (Patterson 241)
3313.00

WELL DETAILS

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	410038.64	790841.23	32° 7' 25.77720 N	103° 23' 37.94424 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00		KOP, Begin 1.00°/100' Build
3	1899.85	8.00	157.73	1897.25	-51.58	21.13	1.00	157.73	-51.74		Hold 8.00° Inc at 157.73° Azm
4	3149.50	8.00	157.73	3134.75	-212.49	87.04	0.00	0.00	-213.17		Begin 1.00°/100' Drop
5	3949.35	0.00	0.00	3932.00	-264.07	108.17	1.00	180.00	-264.91		Begin Vertical Hold
6	12026.13	0.00	0.00	12008.78	-264.07	108.17	0.00	0.00	-264.91		KOP2, Begin 12.00°/100' Build
7	12692.79	80.00	358.55	12478.99	130.47	105.07	12.00	359.55	129.64		Begin 6.00°/100' Build
8	12856.48	90.00	359.55	12493.50	296.29	103.77	6.00	0.00	295.47		LP, Hold 90.00° Inc at 359.55° Azm
9	14583.99	90.00	359.55	12493.50	2000.77	90.39	0.00	0.00	2000.00	2000' VS - Leslie Fed Com 215H	Begin 2.00°/100' Build
10	14587.48	90.47	359.55	12493.40	2004.24	90.21	2.00	0.00	2003.47		Hold 90.47° Inc
11	15084.01	90.47	359.55	12489.50	2500.75	86.47	0.00	0.00	2500.00	2500' VS - Leslie Fed Com 215H	Begin 2.00°/100' Build
12	15091.15	91.01	359.55	12489.15	2527.89	86.25	2.00	0.00	2527.13		Hold 91.01° Inc
13	17448.95	91.01	359.55	12447.50	4885.25	67.76	0.00	0.00	4884.57	BHL - Leslie Fed Com 215H	TD at 17448.95

LEGEND
- 215H, OH, Plan 1 V0
- 1, OH, Surveys V0
- 201H, OH, Plan 2 12-10-18 V0
- 131H, OH, Plan 1 V0
- 202H, OH, Plan 2 12-10-18 V0
- 132H, OH, Plan 1 V0
- 111H, OH, Plan 1 V0
- Plan 2 12-10-18

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
388.50	388.50	Z (Dewey Lake (P))
908.50	908.50	Z (Rustler)
1429.50	1429.68	Z (Salado)
3723.50	3740.80	Z (Castile (T))
5450.50	5467.85	Z (G30:CS14-CSB)
5540.50	5557.85	Z (G26: Bell Cyn.)
6467.50	6484.85	Z (G13: Cherry Cyn.)
7916.50	7933.85	Z (G7: Brushy Cyn.)
9256.50	9273.85	Z (G4: BSGL (CS9))
10398.50	10415.85	Z (L5.3: FBSC)
10446.50	10463.85	Z (L5.1: FBSG)
10634.50	10651.85	Z (L4.3: SBSC)
10988.50	11005.85	Z (L4.1: SBSG)
11453.50	11470.85	Z (L3.3: TBSC)
12110.50	12128.63	Z (L3.1: TBSG)
12436.50	12556.24	Z (L2: WFMP A)

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: New Mexico East 3001

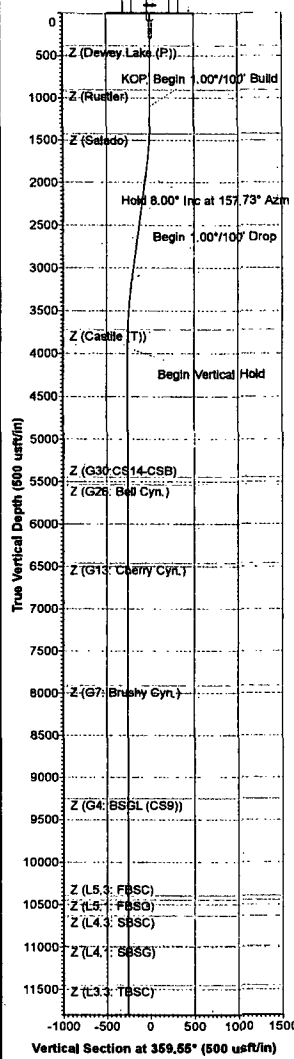
Local Origin: Well 215H, Grid North

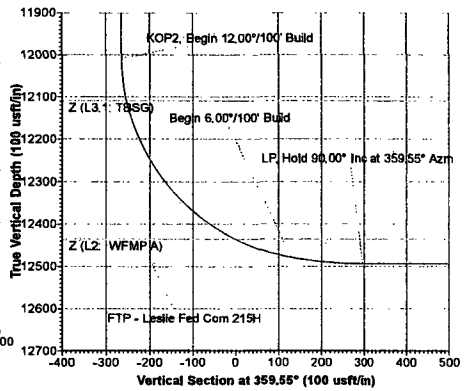
Latitude: 32° 7' 25.77720 N
Longitude: 103° 23' 37.94424 W

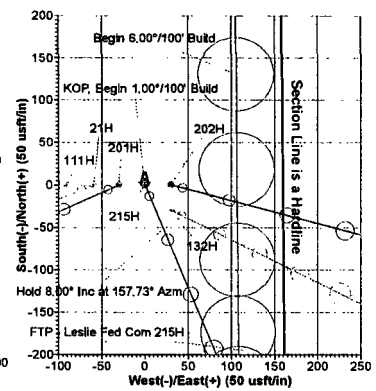
Grid East: 790841.23
Grid North: 410038.64
Scale Factor: 1.000

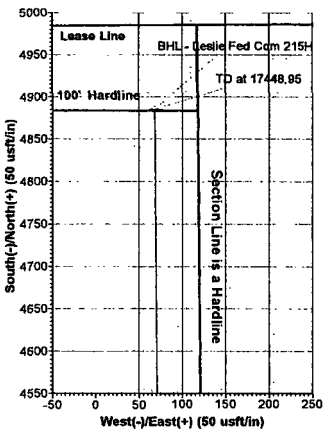
Geomagnetic Model: MVHD
Sample Date: 31-Jan-19
Magnetic Declination: 6.64°
Dip Angle from Horizontal: 59.78°
Magnetic Field Strength: 47783.62668010nT

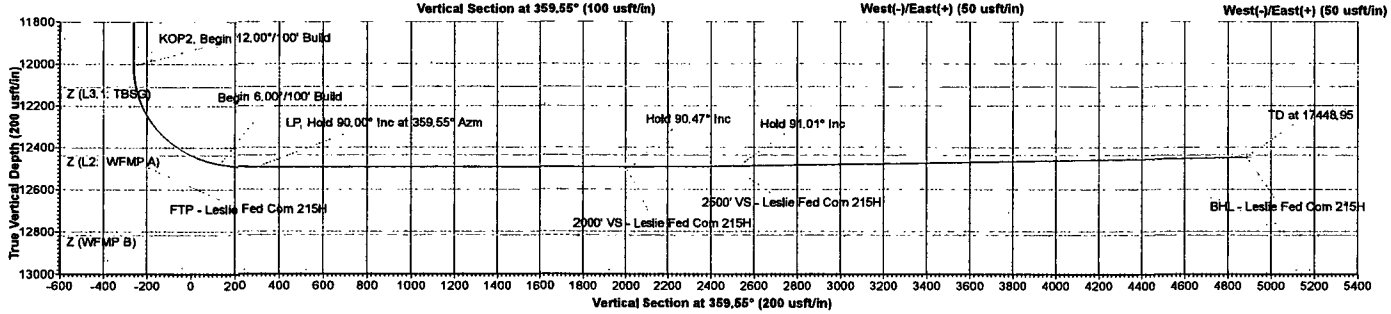
To convert a Magnetic Direction to a Grid Direction, Add 6.14°
To convert a Magnetic Direction to a True Direction, Add 6.64° East
To convert a True Direction to a Grid Direction, Subtract 0.50°

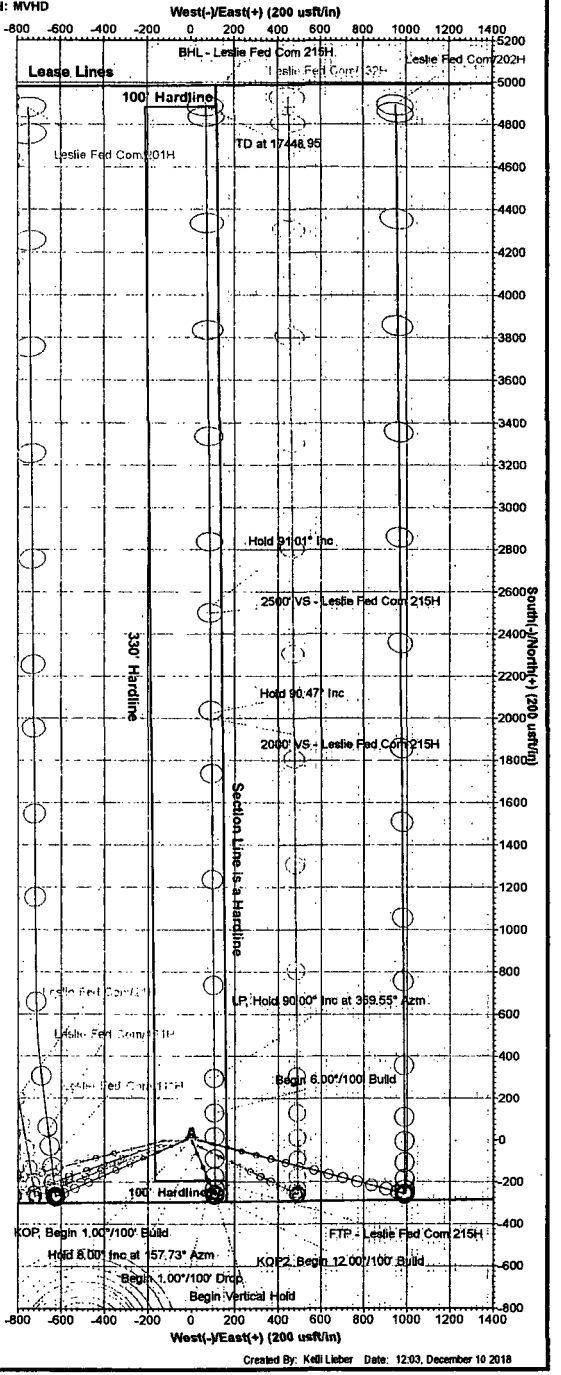












Created By: Kelli Lieber Date: 12:03, December 10 2018

PHOENIX
TECHNOLOGY SERVICES

Matador Resources

Lea County, NM (NAD 27)
Leslie Fed Com
215H

OH

Plan: Plan 2 12-10-18

Standard Planning Report

10 December, 2018

Matador
RESOURCES COMPANY

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 215H
Company:	Matador Resources	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Project:	Lea County, NM (NAD 27)	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site:	Leslie Fed Com	**North Reference:**	Grid
Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 12-10-18		

Project Lea County, NM (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		

Site Leslie Fed Com

Site Position:		**Northing:**	410,038.56 usft	**Latitude:**	32° 7' 25.77900 N
From:	Lat/Long	**Easting:**	790,811.23 usft	**Longitude:**	103° 23' 38.29308 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.50 °

Well 215H

Well Position	**+N/-S**	0.08 usft	**Northing:**	410,038.64 usft	**Latitude:**	32° 7' 25.77720 N
	+E/-W	30.00 usft	**Easting:**	790,841.23 usft	**Longitude:**	103° 23' 37.94424 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,313.00 usft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	MVHD	1/31/2019	6.64	59.78	47,783.62668010

Design Plan 2 12-10-18

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	359.55

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	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,899.85	8.00	157.73	1,897.25	-51.58	21.13	1.00	1.00	0.00	157.73	
3,149.50	8.00	157.73	3,134.75	-212.49	87.04	0.00	0.00	0.00	0.00	
3,949.35	0.00	0.00	3,932.00	-264.07	108.17	1.00	-1.00	0.00	180.00	
12,026.13	0.00	0.00	12,008.78	-264.07	108.17	0.00	0.00	0.00	0.00	
12,692.79	80.00	359.55	12,478.99	130.47	105.07	12.00	12.00	0.00	359.55	
12,859.46	90.00	359.55	12,493.50	296.29	103.77	6.00	6.00	0.00	0.00	
14,563.99	90.00	359.55	12,493.50	2,000.77	90.39	0.00	0.00	0.00	0.00	2000' VS - Leslie Fed
14,587.46	90.47	359.55	12,493.40	2,024.24	90.21	2.00	2.00	0.00	0.00	
15,064.01	90.47	359.55	12,489.50	2,500.75	86.47	0.00	0.00	0.00	0.00	2500' VS - Leslie Fed
15,091.15	91.01	359.55	12,489.15	2,527.89	86.25	2.00	2.00	0.00	0.00	
17,448.95	91.01	359.55	12,447.50	4,885.25	67.76	0.00	0.00	0.00	0.00	BHL - Leslie Fed Com

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 215H
Company:	Matador Resources	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Project:	Lea County, NM (NAD 27)	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site:	Leslie Fed Com	**North Reference:**	Grid
Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 12-10-18		

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
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 1.00°/100' Build									
1,200.00	1.00	157.73	1,199.99	-0.81	0.33	-0.81	1.00	1.00	0.00
1,300.00	2.00	157.73	1,299.96	-3.23	1.32	-3.24	1.00	1.00	0.00
1,400.00	3.00	157.73	1,399.86	-7.27	2.98	-7.29	1.00	1.00	0.00
1,500.00	4.00	157.73	1,499.68	-12.92	5.29	-12.96	1.00	1.00	0.00
1,600.00	5.00	157.73	1,599.37	-20.18	8.26	-20.24	1.00	1.00	0.00
1,700.00	6.00	157.73	1,698.90	-29.05	11.90	-29.14	1.00	1.00	0.00
1,800.00	7.00	157.73	1,798.26	-39.52	16.19	-39.65	1.00	1.00	0.00
1,899.85	8.00	157.73	1,897.25	-51.58	21.13	-51.74	1.00	1.00	0.00
Hold 8.00° Inc at 157.73° Azm									
1,900.00	8.00	157.73	1,897.40	-51.60	21.14	-51.76	0.00	0.00	0.00
2,000.00	8.00	157.73	1,996.43	-64.48	26.41	-64.68	0.00	0.00	0.00
2,100.00	8.00	157.73	2,095.46	-77.35	31.68	-77.60	0.00	0.00	0.00
2,200.00	8.00	157.73	2,194.48	-90.23	36.96	-90.52	0.00	0.00	0.00
2,300.00	8.00	157.73	2,293.51	-103.10	42.23	-103.43	0.00	0.00	0.00
2,400.00	8.00	157.73	2,392.54	-115.98	47.51	-116.35	0.00	0.00	0.00
2,500.00	8.00	157.73	2,491.57	-128.86	52.78	-129.27	0.00	0.00	0.00
2,600.00	8.00	157.73	2,590.59	-141.73	58.06	-142.18	0.00	0.00	0.00
2,700.00	8.00	157.73	2,689.62	-154.61	63.33	-155.10	0.00	0.00	0.00
2,800.00	8.00	157.73	2,788.65	-167.49	68.60	-168.02	0.00	0.00	0.00
2,900.00	8.00	157.73	2,887.67	-180.36	73.88	-180.94	0.00	0.00	0.00
3,000.00	8.00	157.73	2,986.70	-193.24	79.15	-193.85	0.00	0.00	0.00
3,100.00	8.00	157.73	3,085.73	-206.11	84.43	-206.77	0.00	0.00	0.00
3,149.50	8.00	157.73	3,134.75	-212.49	87.04	-213.17	0.00	0.00	0.00
Begin 1.00°/100' Drop									
3,200.00	7.49	157.73	3,184.79	-218.79	89.62	-219.48	1.00	-1.00	0.00
3,300.00	6.49	157.73	3,284.04	-230.05	94.23	-230.79	1.00	-1.00	0.00
3,400.00	5.49	157.73	3,383.49	-239.72	98.19	-240.48	1.00	-1.00	0.00
3,500.00	4.49	157.73	3,483.11	-247.77	101.49	-248.56	1.00	-1.00	0.00
3,600.00	3.49	157.73	3,582.87	-254.22	104.13	-255.03	1.00	-1.00	0.00
3,700.00	2.49	157.73	3,682.73	-259.05	106.11	-259.87	1.00	-1.00	0.00
3,800.00	1.49	157.73	3,782.67	-262.27	107.43	-263.10	1.00	-1.00	0.00
3,900.00	0.49	157.73	3,882.65	-263.87	108.09	-264.71	1.00	-1.00	0.00
3,949.35	0.00	0.00	3,932.00	-264.07	108.17	-264.91	1.00	-1.00	0.00
Begin Vertical Hold									
12,026.13	0.00	0.00	12,008.78	-264.07	108.17	-264.91	0.00	0.00	0.00
KOP2, Begin 12.00°/100' Build									
12,100.00	8.86	359.55	12,082.36	-258.36	108.12	-259.21	12.00	12.00	0.00
12,200.00	20.86	359.55	12,178.84	-232.76	107.92	-233.60	12.00	12.00	0.00
12,300.00	32.86	359.55	12,267.88	-187.65	107.57	-188.49	12.00	12.00	0.00
12,400.00	44.86	359.55	12,345.60	-125.02	107.07	-125.86	12.00	12.00	0.00
12,500.00	56.86	359.55	12,408.60	-47.60	106.47	-48.44	12.00	12.00	0.00
12,600.00	68.86	359.55	12,454.13	41.23	105.77	40.40	12.00	12.00	0.00
12,692.79	80.00	359.55	12,478.99	130.47	105.07	129.64	12.00	12.00	0.00
Begin 6.00°/100' Build									
12,700.00	80.43	359.55	12,480.22	137.57	105.01	136.75	6.00	6.00	0.00
12,800.00	86.43	359.55	12,491.65	236.87	104.23	236.04	6.00	6.00	0.00
12,859.46	90.00	359.55	12,493.50	296.29	103.77	295.47	6.00	6.00	0.00
LP, Hold 90.00° Inc at 359.55° Azm									
12,900.00	90.00	359.55	12,493.50	336.83	103.45	336.01	0.00	0.00	0.00
13,000.00	90.00	359.55	12,493.50	436.83	102.66	436.01	0.00	0.00	0.00

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 215H
Company:	Matador Resources	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Project:	Lea County, NM (NAD 27)	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site:	Leslie Fed Com	**North Reference:**	Grid
Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 12-10-18		

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)
13,100.00	90.00	359.55	12,493.50	536.82	101.88	536.01	0.00	0.00	0.00
13,200.00	90.00	359.55	12,493.50	636.82	101.09	636.01	0.00	0.00	0.00
13,300.00	90.00	359.55	12,493.50	736.82	100.31	736.01	0.00	0.00	0.00
13,400.00	90.00	359.55	12,493.50	836.81	99.52	836.01	0.00	0.00	0.00
13,500.00	90.00	359.55	12,493.50	936.81	98.74	936.01	0.00	0.00	0.00
13,600.00	90.00	359.55	12,493.50	1,036.81	97.95	1,036.01	0.00	0.00	0.00
13,700.00	90.00	359.55	12,493.50	1,136.80	97.17	1,136.01	0.00	0.00	0.00
13,800.00	90.00	359.55	12,493.50	1,236.80	96.39	1,236.01	0.00	0.00	0.00
13,900.00	90.00	359.55	12,493.50	1,336.80	95.60	1,336.01	0.00	0.00	0.00
14,000.00	90.00	359.55	12,493.50	1,436.79	94.82	1,436.01	0.00	0.00	0.00
14,100.00	90.00	359.55	12,493.50	1,536.79	94.03	1,536.01	0.00	0.00	0.00
14,200.00	90.00	359.55	12,493.50	1,636.79	93.25	1,636.01	0.00	0.00	0.00
14,300.00	90.00	359.55	12,493.50	1,736.79	92.46	1,736.01	0.00	0.00	0.00
14,400.00	90.00	359.55	12,493.50	1,836.78	91.68	1,836.01	0.00	0.00	0.00
14,500.00	90.00	359.55	12,493.50	1,936.78	90.89	1,936.01	0.00	0.00	0.00
14,563.99	90.00	359.55	12,493.50	2,000.77	90.39	2,000.00	0.00	0.00	0.00
Begin 2.00°/100' Build									
14,587.46	90.47	359.55	12,493.40	2,024.24	90.21	2,023.47	2.00	2.00	0.00
Hold 90.47° Inc									
14,600.00	90.47	359.55	12,493.30	2,036.78	90.11	2,036.01	0.00	0.00	0.00
14,700.00	90.47	359.55	12,492.48	2,136.77	89.32	2,136.00	0.00	0.00	0.00
14,800.00	90.47	359.55	12,491.66	2,236.76	88.54	2,236.00	0.00	0.00	0.00
14,900.00	90.47	359.55	12,490.84	2,336.76	87.75	2,336.00	0.00	0.00	0.00
15,000.00	90.47	359.55	12,490.02	2,436.75	86.97	2,435.99	0.00	0.00	0.00
15,064.01	90.47	359.55	12,489.50	2,500.75	86.47	2,500.00	0.00	0.00	0.00
Begin 2.00°/100' Build									
15,091.15	91.01	359.55	12,489.15	2,527.89	86.25	2,527.14	2.00	2.00	0.00
Hold 91.01° Inc									
15,100.00	91.01	359.55	12,488.99	2,536.74	86.19	2,535.99	0.00	0.00	0.00
15,200.00	91.01	359.55	12,487.23	2,636.72	85.40	2,635.97	0.00	0.00	0.00
15,300.00	91.01	359.55	12,485.46	2,736.70	84.62	2,735.95	0.00	0.00	0.00
15,400.00	91.01	359.55	12,483.69	2,836.68	83.83	2,835.94	0.00	0.00	0.00
15,500.00	91.01	359.55	12,481.93	2,936.67	83.05	2,935.92	0.00	0.00	0.00
15,600.00	91.01	359.55	12,480.16	3,036.65	82.26	3,035.91	0.00	0.00	0.00
15,700.00	91.01	359.55	12,478.39	3,136.63	81.48	3,135.89	0.00	0.00	0.00
15,800.00	91.01	359.55	12,476.63	3,236.61	80.69	3,235.88	0.00	0.00	0.00
15,900.00	91.01	359.55	12,474.86	3,336.59	79.91	3,335.86	0.00	0.00	0.00
16,000.00	91.01	359.55	12,473.10	3,436.57	79.12	3,435.85	0.00	0.00	0.00
16,100.00	91.01	359.55	12,471.33	3,536.55	78.34	3,535.83	0.00	0.00	0.00
16,200.00	91.01	359.55	12,469.56	3,636.54	77.56	3,635.81	0.00	0.00	0.00
16,300.00	91.01	359.55	12,467.80	3,736.52	76.77	3,735.80	0.00	0.00	0.00
16,400.00	91.01	359.55	12,466.03	3,836.50	75.99	3,835.78	0.00	0.00	0.00
16,500.00	91.01	359.55	12,464.26	3,936.48	75.20	3,935.77	0.00	0.00	0.00
16,600.00	91.01	359.55	12,462.50	4,036.46	74.42	4,035.75	0.00	0.00	0.00
16,700.00	91.01	359.55	12,460.73	4,136.44	73.63	4,135.74	0.00	0.00	0.00
16,800.00	91.01	359.55	12,458.96	4,236.42	72.85	4,235.72	0.00	0.00	0.00
16,900.00	91.01	359.55	12,457.20	4,336.40	72.06	4,335.70	0.00	0.00	0.00
17,000.00	91.01	359.55	12,455.43	4,436.39	71.28	4,435.69	0.00	0.00	0.00
17,100.00	91.01	359.55	12,453.66	4,536.37	70.49	4,535.67	0.00	0.00	0.00
17,200.00	91.01	359.55	12,451.90	4,636.35	69.71	4,635.66	0.00	0.00	0.00
17,300.00	91.01	359.55	12,450.13	4,736.33	68.93	4,735.64	0.00	0.00	0.00
17,400.00	91.01	359.55	12,448.36	4,836.31	68.14	4,835.63	0.00	0.00	0.00
17,448.95	91.01	359.55	12,447.50	4,885.25	67.76	4,884.57	0.00	0.00	0.00
TD at 17448.95									

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 215H
Company:	Matador Resources	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Project:	Lea County, NM (NAD 27)	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site:	Leslie Fed Com	**North Reference:**	Grid
Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 12-10-18		

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)

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL - Leslie Fed Com 2 - plan hits target center - Point	0.00	0.01	12,447.50	4,885.25	67.76	414,923.90	790,908.99	32° 8' 14.11188 N	103° 23' 36.66084 W
2500' VS - Leslie Fed C - plan hits target center - Point	0.00	0.00	12,489.50	2,500.75	86.47	412,539.40	790,927.70	32° 7' 50.51521 N	103° 23' 36.68520 W
2000' VS - Leslie Fed C - plan hits target center - Point	0.00	0.00	12,493.50	2,000.77	90.39	412,039.41	790,931.62	32° 7' 45.56743 N	103° 23' 36.69031 W
FTP - Leslie Fed Com 2 - plan misses target center by 155.79usft at 12439.87usft MD (12372.65 TVD, -95.75 N, 106.84 E) - Point	0.00	0.01	12,493.50	-194.06	107.61	409,844.58	790,948.84	32° 7' 23.84760 N	103° 23' 36.71268 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
388.50	388.50	Z (Dewey Lake (P))		0.00	
908.50	908.50	Z (Rustler)		0.00	
1,429.68	1,429.50	Z (Salado)		0.00	
3,740.80	3,723.50	Z (Castile (T))		0.00	
5,467.85	5,450.50	Z (G30:CS14-CSB)		0.00	
5,557.85	5,540.50	Z (G26: Bell Cyn.)		0.00	
6,484.85	6,467.50	Z (G13: Cherry Cyn.)		0.00	
7,933.85	7,916.50	Z (G7: Brushy Cyn.)		0.00	
9,273.85	9,256.50	Z (G4: BSGL (CS9))		0.00	
10,415.85	10,398.50	Z (L5.3: FBSC)		0.00	
10,463.85	10,446.50	Z (L5.1: FBSG)		0.00	
10,651.85	10,634.50	Z (L4.3: SBSC)		0.00	
11,005.85	10,988.50	Z (L4.1: SBSG)		0.00	
11,470.85	11,453.50	Z (L3.3: TBSC)		0.00	
12,128.63	12,110.50	Z (L3.1: TBSG)		0.00	
12,556.24	12,436.50	Z (L2: WFMP A)		0.00	

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 215H
Company:	Matador Resources	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Project:	Lea County, NM (NAD 27)	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site:	Leslie Fed Com	**North Reference:**	Grid
Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2 12-10-18		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,100.00	1,100.00	0.00	0.00	KOP, Begin 1.00°/100' Build
1,899.85	1,897.25	-51.58	21.13	Hold 8.00° Inc at 157.73° Azm
3,149.50	3,134.75	-212.49	87.04	Begin 1.00°/100' Drop
3,949.35	3,932.00	-264.07	108.17	Begin Vertical Hold
12,026.13	12,008.78	-264.07	108.17	KOP2, Begin 12.00°/100' Build
12,692.79	12,478.99	130.47	105.07	Begin 6.00°/100' Build
12,859.46	12,493.50	296.29	103.77	LP, Hold 90.00° Inc at 359.55° Azm
14,563.99	12,493.50	2,000.77	90.39	Begin 2.00°/100' Build
14,587.46	12,493.40	2,024.24	90.21	Hold 90.47° Inc
15,064.01	12,489.50	2,500.75	86.47	Begin 2.00°/100' Build
15,091.15	12,489.15	2,527.89	86.25	Hold 91.01° Inc
17,448.95	12,447.50	4,885.25	67.76	TD at 17448.95

PHOENIX
TECHNOLOGY SERVICES

Matador Resources

Lea County, NM (NAD 27)
Leslie Fed Com
215H

OH
Plan 2 12-10-18

Anticollision Report

10 December, 2018

Matador
RESOURCES COMPANY

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Reference Plan 2 12-10-18

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 70,000.00 usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 12/10/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	17,448.95	Plan 2 12-10-18 (OH)	MWD+HDGM	OWSG Rev.2 MWD + HDGM

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Jamaca GulF Federal						
1 - OH - Surveys	10,739.88	10,706.09	919.22	657.13	3.507	CC
1 - OH - Surveys	12,000.00	11,967.01	920.30	624.90	3.115	ES
1 - OH - Surveys	12,100.00	12,066.76	924.58	626.53	3.102	SF
Leslie Fed Com						
111H - OH - Plan 1	1,016.33	1,017.33	89.94	83.10	13.149	CC
111H - OH - Plan 1	1,100.00	1,100.99	89.94	82.50	12.089	ES
111H - OH - Plan 1	1,400.00	1,396.21	100.28	90.84	10.620	SF
131H - OH - Plan 1	1,016.33	1,017.33	119.97	113.13	17.539	CC
131H - OH - Plan 1	1,100.00	1,100.00	119.98	112.54	16.134	ES
131H - OH - Plan 1	17,448.95	16,533.43	1,324.33	1,187.27	9.662	SF
132H - OH - Plan 1	1,100.00	1,100.00	42.35	34.91	5.694	CC
132H - OH - Plan 1	1,400.00	1,397.81	42.89	33.45	4.543	ES
132H - OH - Plan 1	1,600.00	1,596.05	45.51	34.72	4.221	SF
201H - OH - Plan 2 12-10-18	1,100.00	1,100.00	30.00	22.57	4.034	CC, ES
201H - OH - Plan 2 12-10-18	1,200.00	1,199.51	31.13	23.00	3.833	SF
202H - OH - Plan 2 12-10-18	1,100.00	1,099.00	30.03	22.60	4.040	CC
202H - OH - Plan 2 12-10-18	1,200.00	1,198.50	30.54	22.42	3.761	ES
202H - OH - Plan 2 12-10-18	1,300.00	1,297.95	32.14	23.36	3.660	SF
21H - OH - Plan 1	1,100.00	1,100.00	59.94	52.50	8.060	CC, ES
21H - OH - Plan 1	1,300.00	1,297.96	64.48	55.70	7.344	SF

Offset Design Jamaca GulF Federal - 1 - OH - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-INC-ONLY-Offset Well — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-152.68	-958.83	-495.37	1,079.38				
100.00	100.00	82.30	82.30	0.13	0.81	-152.68	-958.83	-495.37	1,079.23	1,078.29	0.94	1,142.919	
135.25	135.25	117.54	117.54	0.26	1.32	-152.68	-958.77	-495.37	1,079.18	1,077.61	1.58	683.676	
200.00	200.00	179.11	179.10	0.49	2.44	-152.68	-958.81	-495.37	1,079.22	1,076.29	2.93	368.546	
298.01	298.01	280.31	280.30	0.84	4.30	-152.67	-958.73	-495.37	1,079.14	1,074.00	5.15	209.728	
300.00	300.00	282.26	282.25	0.85	4.34	-152.67	-958.73	-495.37	1,079.14	1,073.95	5.19	207.985	
400.00	400.00	382.31	382.30	1.21	6.19	-152.68	-958.83	-495.37	1,079.23	1,071.83	7.40	145.765	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Jamaca GulF Federal - 1 - OH - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-INC-ONLY-Offset Well — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
480.19	480.19	462.51	462.49	1.50	7.77	-152.67	-958.54	-495.37	1,078.98	1,069.72	9.26	116.481	
500.00	500.00	480.99	480.97	1.57	8.13	-152.67	-958.56	-495.37	1,078.99	1,069.30	9.70	111.278	
600.00	600.00	582.33	582.30	1.93	10.08	-152.68	-958.83	-495.37	1,079.23	1,067.23	12.00	89.905	
668.03	668.03	650.34	650.31	2.17	11.33	-152.67	-958.50	-495.37	1,078.94	1,065.44	13.50	79.903	
700.00	700.00	680.42	680.39	2.28	11.89	-152.67	-958.53	-495.37	1,078.97	1,064.80	14.17	76.129	
800.00	800.00	782.34	782.30	2.64	13.74	-152.68	-958.83	-495.37	1,079.23	1,062.86	16.38	65.892	
879.15	879.15	861.46	861.42	2.93	15.11	-152.67	-958.71	-495.37	1,079.13	1,061.09	18.04	59.818	
900.00	900.00	881.92	881.88	3.00	15.47	-152.67	-958.71	-495.37	1,079.13	1,060.66	18.47	58.422	
1,000.00	1,000.00	982.34	982.30	3.36	17.22	-152.68	-958.83	-495.37	1,079.23	1,058.65	20.58	52.441	
1,052.66	1,052.66	1,035.00	1,034.96	3.55	18.14	-152.68	-958.76	-495.37	1,079.17	1,057.48	21.69	49.753	
1,100.00	1,100.00	1,080.86	1,080.82	3.72	18.95	-152.68	-958.79	-495.37	1,079.20	1,056.54	22.66	47.619	
1,200.00	1,199.99	1,181.04	1,181.00	4.06	20.86	49.64	-958.80	-495.37	1,078.64	1,053.72	24.92	43.290	
1,300.00	1,299.96	1,282.32	1,282.26	4.39	23.02	49.76	-958.83	-495.37	1,076.98	1,049.56	27.41	39.287	
1,400.00	1,399.86	1,381.59	1,381.50	4.72	25.25	49.96	-958.63	-495.37	1,073.99	1,044.02	29.97	35.833	
1,500.00	1,499.68	1,482.09	1,481.98	5.06	27.38	50.24	-958.83	-495.37	1,070.24	1,037.81	32.44	32.996	
1,600.00	1,599.37	1,581.79	1,581.67	5.40	29.26	50.60	-958.83	-495.37	1,065.23	1,030.57	34.66	30.733	
1,700.00	1,698.90	1,681.33	1,681.20	5.75	31.05	51.04	-958.83	-495.37	1,059.16	1,022.37	36.79	28.787	
1,800.00	1,798.26	1,779.27	1,779.15	6.10	32.85	51.57	-958.79	-495.37	1,052.02	1,013.07	38.95	27.009	
1,900.00	1,897.40	1,878.33	1,878.20	6.47	34.77	52.20	-958.64	-495.37	1,043.79	1,002.56	41.23	25.318	
2,000.00	1,996.43	1,977.50	1,977.35	6.83	36.69	52.80	-958.70	-495.37	1,035.32	991.82	43.50	23.798	
2,100.00	2,095.46	2,077.74	2,077.59	7.20	38.56	53.42	-958.69	-495.37	1,026.91	981.17	45.74	22.453	
2,200.00	2,194.48	2,176.94	2,176.78	7.58	40.41	54.04	-958.83	-495.37	1,018.75	970.79	47.96	21.244	
2,300.00	2,293.51	2,275.97	2,275.81	7.96	42.31	54.68	-958.83	-495.37	1,010.59	960.35	50.23	20.119	
2,400.00	2,392.54	2,375.01	2,374.84	8.34	44.32	55.32	-958.83	-495.37	1,002.55	949.94	52.61	19.056	
2,500.00	2,491.57	2,474.05	2,473.87	8.72	46.27	55.98	-958.83	-495.37	994.65	939.71	54.93	18.106	
2,600.00	2,590.59	2,573.08	2,572.89	9.11	48.09	56.64	-958.83	-495.37	986.88	929.74	57.14	17.271	
2,700.00	2,689.62	2,672.11	2,671.92	9.50	49.87	57.32	-958.83	-495.37	979.24	919.94	59.30	16.513	
2,800.00	2,788.65	2,770.42	2,770.23	9.89	51.68	58.00	-958.75	-495.37	971.69	910.19	61.50	15.801	
2,900.00	2,887.67	2,870.17	2,869.97	10.28	53.58	58.70	-958.83	-495.37	964.39	900.61	63.78	15.120	
3,000.00	2,986.70	2,969.21	2,969.00	10.67	55.54	59.41	-958.83	-495.37	957.19	891.07	66.12	14.477	
3,100.00	3,085.73	3,065.19	3,064.98	11.07	57.48	60.11	-958.70	-495.37	950.03	881.58	68.45	13.878	
3,200.00	3,184.79	3,165.75	3,165.52	11.46	59.57	60.81	-958.58	-495.37	943.14	872.21	70.93	13.297	
3,300.00	3,284.04	3,261.98	3,261.74	11.85	61.58	61.38	-958.77	-495.37	937.38	864.05	73.33	12.783	
3,400.00	3,383.49	3,366.05	3,365.79	12.23	63.71	61.92	-958.83	-495.37	932.44	856.60	75.84	12.295	
3,500.00	3,483.11	3,465.67	3,465.41	12.61	66.00	62.36	-958.83	-495.37	928.36	849.86	78.50	11.826	
3,600.00	3,582.87	3,561.60	3,561.33	12.98	68.20	62.70	-958.72	-495.37	925.06	843.99	81.07	11.410	
3,700.00	3,682.73	3,665.23	3,664.86	13.34	70.79	62.98	-958.72	-495.37	922.67	838.64	84.03	10.981	
3,800.00	3,782.67	3,759.53	3,759.14	13.70	72.93	63.15	-958.73	-495.37	921.12	834.59	86.52	10.646	
3,900.00	3,882.65	3,864.75	3,864.33	14.04	75.30	63.25	-958.68	-495.37	920.28	831.04	89.24	10.312	
3,992.25	3,974.90	3,957.35	3,956.92	14.35	77.39	63.28	-958.48	-495.37	919.94	828.30	91.64	10.039	
4,000.00	3,982.65	3,964.29	3,963.86	14.37	77.55	-139.01	-958.48	-495.37	920.04	828.22	91.82	10.020	
4,100.00	4,082.65	4,065.23	4,064.76	14.70	79.96	-139.01	-958.70	-495.37	920.20	825.64	94.56	9.731	
4,200.00	4,182.65	4,165.47	4,164.95	15.03	82.62	-139.02	-958.83	-495.37	920.30	822.75	97.55	9.434	
4,300.00	4,282.65	4,265.52	4,264.95	15.35	85.15	-139.02	-958.83	-495.37	920.30	819.89	100.41	9.166	
4,400.00	4,382.65	4,365.57	4,364.95	15.68	87.71	-139.02	-958.83	-495.37	920.30	817.00	103.30	8.909	
4,492.34	4,474.99	4,457.86	4,457.22	15.99	89.95	-139.00	-958.35	-495.37	919.94	814.08	105.85	8.691	
4,500.00	4,482.65	4,464.41	4,463.77	16.01	90.11	-139.00	-958.36	-495.37	919.94	813.91	106.04	8.676	
4,600.00	4,582.65	4,563.56	4,562.89	16.35	92.42	-139.01	-958.70	-495.37	920.21	811.53	108.68	8.467	
4,679.36	4,662.01	4,645.00	4,644.30	16.61	94.47	-139.01	-958.60	-495.37	920.13	809.13	111.00	8.290	
4,700.00	4,682.65	4,660.26	4,659.55	16.68	94.88	-139.01	-958.66	-495.37	920.19	808.71	111.48	8.255	
4,800.00	4,782.65	4,765.74	4,764.95	17.01	97.79	-139.02	-958.83	-495.37	920.30	805.57	114.73	8.022	
4,896.72	4,879.38	4,862.49	4,861.67	17.34	100.23	-139.01	-958.65	-495.37	920.17	802.68	117.49	7.832	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Jamaca GulF Federal - 1 - OH - Surveys — Offset Site Error: 0.00 usft

Survey Program: 100-INC-ONLY-Offset Well — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,882.65	4,865.15	4,864.33	17.35	100.29	-139.01	-958.65	-495.37	920.17	802.61	117.56	7.827	
4,991.78	4,974.43	4,957.55	4,956.71	17.66	102.59	-139.00	-958.42	-495.37	919.99	799.82	120.17	7.655	
5,000.00	4,982.65	4,964.73	4,963.89	17.68	102.78	-139.00	-958.43	-495.37	920.00	799.61	120.38	7.642	
5,100.00	5,082.65	5,065.85	5,064.95	18.02	105.39	-139.02	-958.83	-495.37	920.30	796.96	123.34	7.462	
5,200.00	5,182.65	5,165.90	5,164.95	18.36	108.03	-139.02	-958.83	-495.37	920.30	793.99	126.31	7.286	
5,300.00	5,282.65	5,265.93	5,264.95	18.70	110.34	-139.02	-958.83	-495.37	920.30	791.33	128.97	7.136	
5,400.00	5,382.65	5,365.93	5,364.95	19.04	112.41	-139.02	-958.83	-495.37	920.30	788.92	131.38	7.005	
5,468.97	5,451.62	5,434.82	5,433.84	19.27	113.82	-139.00	-958.40	-495.37	919.97	786.95	133.02	6.916	
5,500.00	5,482.65	5,464.83	5,463.84	19.38	114.43	-139.00	-958.42	-495.37	919.99	786.25	133.74	6.879	
5,600.00	5,582.65	5,565.97	5,564.95	19.72	116.50	-139.02	-958.83	-495.37	920.30	784.15	136.15	6.759	
5,700.00	5,682.65	5,665.97	5,664.95	20.06	118.54	-139.02	-958.83	-495.37	920.30	781.76	138.53	6.643	
5,715.34	5,697.99	5,680.53	5,679.52	20.11	118.84	-139.00	-958.39	-495.37	919.97	781.08	138.89	6.624	
5,800.00	5,782.65	5,760.49	5,759.47	20.40	120.47	-139.02	-958.75	-495.37	920.26	779.45	140.81	6.535	
5,869.02	5,851.68	5,835.01	5,833.97	20.64	121.99	-139.01	-958.62	-495.37	920.14	777.57	142.57	6.454	
5,900.00	5,882.65	5,863.97	5,862.93	20.74	122.59	-139.01	-958.66	-495.37	920.17	776.91	143.27	6.423	
6,000.00	5,982.65	5,966.01	5,964.95	21.08	124.78	-139.02	-958.83	-495.37	920.30	774.49	145.81	6.312	
6,037.32	6,019.98	6,003.14	6,002.08	21.21	125.61	-139.00	-958.39	-495.37	919.97	773.21	146.76	6.269	
6,100.00	6,082.65	6,062.24	6,061.18	21.43	126.91	-139.01	-958.56	-495.37	920.11	771.82	148.28	6.205	
6,200.00	6,182.65	6,166.04	6,164.95	21.77	129.16	-139.02	-958.83	-495.37	920.30	769.43	150.87	6.100	
6,246.44	6,229.09	6,212.48	6,211.39	21.93	130.14	-138.99	-958.22	-495.37	919.84	767.82	152.02	6.051	
6,300.00	6,282.65	6,262.68	6,261.58	22.12	131.21	-139.00	-958.34	-495.37	919.93	766.66	153.27	6.002	
6,400.00	6,382.65	6,366.08	6,364.95	22.46	133.38	-139.02	-958.83	-495.37	920.30	764.52	155.78	5.908	
6,500.00	6,482.65	6,466.09	6,464.95	22.81	135.41	-139.02	-958.83	-495.37	920.30	762.13	158.17	5.819	
6,599.11	6,581.76	6,565.19	6,564.05	23.15	137.35	-139.00	-958.37	-495.37	919.95	759.50	160.45	5.734	
6,600.00	6,582.65	6,566.03	6,564.89	23.15	137.37	-139.00	-958.37	-495.37	919.95	759.48	160.47	5.733	
6,700.00	6,682.65	6,660.60	6,659.45	23.50	139.22	-139.02	-958.75	-495.37	920.26	757.59	162.67	5.657	
6,800.00	6,782.65	6,766.11	6,764.95	23.84	141.21	-139.02	-958.83	-495.37	920.30	755.30	165.00	5.578	
6,900.00	6,882.65	6,866.11	6,864.95	24.19	143.08	-139.02	-958.83	-495.37	920.30	753.08	167.22	5.503	
6,943.87	6,926.53	6,909.99	6,908.82	24.34	143.90	-139.00	-958.31	-495.37	919.90	751.71	168.20	5.469	
7,000.00	6,982.65	6,965.42	6,964.25	24.54	144.94	-139.00	-958.33	-495.37	919.93	750.49	169.43	5.429	
7,100.00	7,082.65	7,064.17	7,063.01	24.88	146.79	-139.01	-958.52	-495.37	920.07	748.44	171.63	5.361	
7,200.00	7,182.65	7,166.14	7,164.95	25.23	148.72	-139.02	-958.83	-495.37	920.30	746.39	173.91	5.292	
7,300.00	7,282.65	7,266.14	7,264.95	25.58	150.68	-139.02	-958.83	-495.37	920.30	744.08	176.22	5.223	
7,325.13	7,307.79	7,290.61	7,289.41	25.67	151.16	-139.00	-958.44	-495.37	920.00	743.22	176.78	5.204	
7,400.00	7,382.65	7,362.80	7,361.61	25.93	152.57	-139.01	-958.65	-495.37	920.17	741.71	178.46	5.156	
7,500.00	7,482.65	7,466.16	7,464.95	26.28	154.60	-139.02	-958.83	-495.37	920.30	739.46	180.84	5.089	
7,516.34	7,498.99	7,482.50	7,481.29	26.33	154.92	-139.01	-958.54	-495.37	920.08	738.87	181.21	5.077	
7,600.00	7,582.65	7,562.04	7,560.83	26.63	156.48	-139.02	-958.78	-495.37	920.27	737.21	183.07	5.027	
7,700.00	7,682.65	7,666.18	7,664.95	26.97	158.52	-139.02	-958.83	-495.37	920.30	734.84	185.46	4.962	
7,800.00	7,782.65	7,766.19	7,764.95	27.32	160.48	-139.02	-958.83	-495.37	920.30	732.53	187.77	4.901	
7,900.00	7,882.65	7,866.19	7,864.95	27.67	162.36	-139.02	-958.83	-495.37	920.30	730.30	190.00	4.844	
7,921.76	7,904.42	7,887.41	7,886.16	27.75	162.76	-139.00	-958.47	-495.37	920.03	729.56	190.47	4.830	
8,000.00	7,982.65	7,962.58	7,961.33	28.02	164.17	-139.01	-958.70	-495.37	920.21	728.05	192.16	4.789	
8,100.00	8,082.65	8,066.21	8,064.95	28.37	166.19	-139.02	-958.83	-495.37	920.30	725.78	194.52	4.731	
8,119.45	8,102.11	8,085.57	8,084.31	28.44	166.57	-139.01	-958.62	-495.37	920.14	725.17	194.97	4.719	
8,200.00	8,182.65	8,163.69	8,162.43	28.72	168.10	-139.02	-958.76	-495.37	920.25	723.47	196.79	4.676	
8,273.76	8,256.42	8,239.99	8,238.71	28.98	169.75	-139.01	-958.57	-495.37	920.10	721.41	198.69	4.631	
8,300.00	8,282.65	8,263.82	8,262.55	29.07	170.27	-139.01	-958.61	-495.37	920.14	720.83	199.31	4.617	
8,400.00	8,382.65	8,366.25	8,364.95	29.42	172.59	-139.02	-958.83	-495.37	920.30	718.32	201.98	4.556	
8,500.00	8,482.65	8,466.25	8,464.95	29.78	174.88	-139.02	-958.83	-495.37	920.30	715.68	204.62	4.498	
8,537.58	8,520.23	8,503.20	8,501.89	29.91	175.73	-138.98	-957.81	-495.37	919.53	713.93	205.60	4.472	
8,600.00	8,582.65	8,563.21	8,561.90	30.13	177.11	-138.98	-957.97	-495.37	919.66	712.46	207.20	4.439	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Jamaca GulF Federal - 1 - OH - Surveys — Offset Site Error: 0.00 usft

Survey Program: 100-INC-ONLY-Offset Well — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,700.00	8,682.65	8,659.37	8,658.04	30.48	179.31	-139.01	-958.67	-495.37	920.20	710.45	209.75	4.387	
8,800.00	8,782.65	8,766.34	8,764.95	30.83	181.76	-139.02	-958.83	-495.37	920.30	707.74	212.56	4.330	
8,900.00	8,882.65	8,866.34	8,864.95	31.18	184.06	-139.02	-958.83	-495.37	920.30	705.09	215.21	4.276	
8,935.92	8,918.57	8,900.95	8,899.55	31.31	184.85	-138.98	-957.81	-495.37	919.53	703.40	216.13	4.255	
9,000.00	8,982.65	8,962.62	8,961.22	31.53	186.27	-138.99	-958.04	-495.37	919.71	701.94	217.77	4.223	
9,100.00	9,082.65	9,066.43	9,064.95	31.88	188.64	-139.02	-958.83	-495.37	920.30	699.80	220.50	4.174	
9,183.55	9,166.21	9,149.98	9,148.50	32.18	190.49	-139.00	-958.34	-495.37	919.93	697.29	222.64	4.132	
9,200.00	9,182.65	9,165.16	9,163.67	32.24	190.83	-139.00	-958.35	-495.37	919.94	696.91	223.03	4.125	
9,300.00	9,282.65	9,266.46	9,264.95	32.59	193.05	-139.02	-958.83	-495.37	920.30	694.70	225.60	4.079	
9,371.02	9,353.68	9,337.49	9,335.97	32.84	194.56	-139.00	-958.40	-495.37	919.98	692.61	227.37	4.046	
9,400.00	9,382.65	9,364.77	9,363.26	32.94	195.14	-139.00	-958.44	-495.37	920.01	691.96	228.05	4.034	
9,500.00	9,482.65	9,466.49	9,464.95	33.29	197.33	-139.02	-958.83	-495.37	920.30	689.71	230.59	3.991	
9,564.23	9,546.88	9,530.68	9,529.14	33.52	198.75	-139.00	-958.42	-495.37	919.99	687.75	232.24	3.961	
9,600.00	9,582.65	9,564.31	9,562.76	33.64	199.49	-139.00	-958.47	-495.37	920.03	686.92	233.11	3.947	
9,700.00	9,682.65	9,666.53	9,664.95	34.00	201.72	-139.02	-958.83	-495.37	920.30	684.61	235.69	3.905	
9,800.00	9,782.65	9,766.53	9,764.95	34.35	203.85	-139.02	-958.83	-495.37	920.30	682.13	238.17	3.864	
9,899.93	9,882.59	9,866.47	9,864.87	34.70	205.97	-138.97	-957.51	-495.37	919.31	678.66	240.65	3.820	
9,900.00	9,882.65	9,866.53	9,864.94	34.70	205.97	-138.97	-957.51	-495.37	919.31	678.65	240.65	3.820	
10,000.00	9,982.65	9,963.52	9,961.92	35.06	208.04	-138.97	-957.73	-495.37	919.47	676.40	243.07	3.783	
10,100.00	10,082.65	10,060.51	10,058.90	35.41	210.10	-139.00	-958.36	-495.37	919.97	674.48	245.48	3.748	
10,200.00	10,182.65	10,166.61	10,164.95	35.76	212.31	-139.02	-958.83	-495.37	920.30	672.25	248.05	3.710	
10,262.39	10,245.04	10,229.00	10,227.34	35.98	213.58	-139.00	-958.43	-495.37	920.00	670.46	249.54	3.687	
10,300.00	10,282.65	10,265.25	10,263.59	36.12	214.33	-139.00	-958.47	-495.37	920.03	669.61	250.42	3.674	
10,400.00	10,382.65	10,366.63	10,364.95	36.47	216.44	-139.02	-958.83	-495.37	920.30	667.42	252.88	3.639	
10,447.77	10,430.43	10,414.24	10,412.55	36.64	217.53	-139.01	-958.56	-495.37	920.09	665.95	254.15	3.620	
10,500.00	10,482.65	10,461.86	10,460.17	36.82	218.63	-139.02	-958.73	-495.37	920.23	664.81	255.42	3.603	
10,600.00	10,582.65	10,566.66	10,564.95	37.18	221.11	-139.02	-958.83	-495.37	920.30	662.03	258.27	3.563	
10,700.00	10,682.65	10,666.66	10,664.95	37.53	223.50	-139.02	-958.83	-495.37	920.30	659.30	261.00	3.526	
10,739.88	10,722.53	10,706.09	10,704.36	37.67	224.44	-138.96	-957.39	-495.37	919.22	657.13	262.09	3.507 CC	
10,800.00	10,782.65	10,763.85	10,762.11	37.88	225.81	-138.97	-957.53	-495.37	919.32	655.65	263.67	3.487	
10,900.00	10,882.65	10,859.93	10,858.18	38.24	228.10	-138.99	-958.20	-495.37	919.85	653.53	266.32	3.454	
11,000.00	10,982.65	10,966.79	10,964.95	38.59	230.61	-139.02	-958.83	-495.37	920.30	651.12	269.18	3.419	
11,040.71	11,023.36	11,007.50	11,005.65	38.74	231.54	-139.00	-958.33	-495.37	919.92	649.66	270.26	3.404	
11,100.00	11,082.65	11,062.32	11,060.47	38.95	232.80	-139.01	-958.50	-495.37	920.06	648.34	271.73	3.386	
11,200.00	11,182.65	11,166.84	11,164.95	39.30	235.15	-139.02	-958.83	-495.37	920.30	645.87	274.43	3.353	
11,300.00	11,282.65	11,266.84	11,264.95	39.65	237.37	-139.02	-958.83	-495.37	920.30	643.30	277.00	3.322	
11,353.46	11,336.11	11,320.28	11,318.39	39.84	238.55	-138.97	-957.63	-495.37	919.39	641.02	278.37	3.303	
11,400.00	11,382.65	11,365.29	11,363.39	40.01	239.55	-138.97	-957.68	-495.37	919.43	639.90	279.53	3.289	
11,500.00	11,482.65	11,461.99	11,460.09	40.36	241.69	-138.99	-958.13	-495.37	919.78	637.76	282.03	3.261	
11,600.00	11,582.65	11,566.92	11,564.95	40.72	244.03	-139.02	-958.83	-495.37	920.30	635.57	284.73	3.232	
11,700.00	11,682.65	11,666.92	11,664.95	41.07	246.34	-139.02	-958.83	-495.37	920.30	632.91	287.39	3.202	
11,765.60	11,748.25	11,732.51	11,730.54	41.30	247.84	-138.98	-957.99	-495.37	919.67	630.54	289.13	3.181	
11,800.00	11,782.65	11,765.87	11,763.90	41.43	248.61	-138.99	-958.02	-495.37	919.69	629.67	290.02	3.171	
11,900.00	11,882.65	11,862.84	11,860.86	41.78	250.84	-139.00	-958.38	-495.37	919.97	627.36	292.61	3.144	
12,000.00	11,982.65	11,967.01	11,964.95	42.14	253.28	-139.02	-958.83	-495.37	920.30	624.90	295.40	3.115 ES	
12,100.00	12,082.36	12,066.76	12,064.66	42.48	255.59	-138.46	-958.83	-495.37	924.58	626.53	298.05	3.102 SF	
12,200.00	12,178.84	12,162.05	12,159.95	42.80	257.45	-137.86	-958.31	-495.37	943.60	643.36	300.24	3.143	
12,300.00	12,267.88	12,252.30	12,250.18	43.09	259.20	-136.59	-958.83	-495.37	978.90	676.63	302.27	3.239	
12,400.00	12,345.60	12,330.02	12,327.90	43.32	260.59	-133.98	-958.83	-495.37	1,028.68	724.80	303.87	3.385	
12,500.00	12,408.60	12,393.02	12,390.90	43.53	261.71	-129.13	-958.83	-495.37	1,092.04	786.88	305.15	3.579	
12,600.00	12,454.13	12,438.54	12,436.43	43.71	262.52	-120.51	-958.83	-495.37	1,166.83	860.76	306.06	3.812	
12,700.00	12,480.22	12,464.55	12,462.44	43.86	262.99	-106.58	-958.60	-495.37	1,249.82	943.25	306.57	4.077	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Jamaca GulF Federal - 1 - OH - Surveys — Offset Site Error: 0.00 usft

Survey Program: 100-INC-ONLY-Offset Well — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,800.00	12,491.65	12,475.84	12,473.72	44.02	263.19	-96.92	-958.60	-495.37	1,337.41	1,030.62	306.79	4.359	
12,900.00	12,493.50	12,477.65	12,475.53	44.18	263.22	-89.97	-958.60	-495.37	1,427.14	1,120.30	306.83	4.651	
13,000.00	12,493.50	12,477.63	12,475.51	44.39	263.22	-89.97	-958.60	-495.37	1,518.18	1,211.32	306.85	4.948	
13,100.00	12,493.50	12,477.61	12,475.49	44.65	263.22	-89.97	-958.60	-495.37	1,610.28	1,303.41	306.87	5.247	
13,200.00	12,493.50	12,477.59	12,475.47	44.95	263.22	-89.97	-958.60	-495.37	1,703.27	1,396.38	306.89	5.550	
13,300.00	12,493.50	12,477.57	12,475.45	45.30	263.22	-89.97	-958.60	-495.37	1,797.02	1,490.10	306.91	5.855	
13,400.00	12,493.50	12,477.55	12,475.43	45.68	263.22	-89.97	-958.60	-495.37	1,891.40	1,584.46	306.94	6.162	
13,500.00	12,493.50	12,477.53	12,475.41	46.11	263.22	-89.96	-958.60	-495.37	1,986.34	1,679.37	306.97	6.471	
13,600.00	12,493.50	12,477.51	12,475.39	46.58	263.22	-89.96	-958.60	-495.37	2,081.75	1,774.76	306.99	6.781	
13,700.00	12,493.50	12,477.49	12,475.37	47.09	263.22	-89.96	-958.60	-495.37	2,177.57	1,870.55	307.02	7.093	
13,800.00	12,493.50	12,477.47	12,475.35	47.63	263.22	-89.96	-958.60	-495.37	2,273.75	1,966.70	307.05	7.405	
13,900.00	12,493.50	12,477.45	12,475.33	48.22	263.22	-89.96	-958.60	-495.37	2,370.25	2,063.17	307.08	7.719	
14,000.00	12,493.50	12,477.43	12,475.31	48.83	263.22	-89.95	-958.60	-495.37	2,467.03	2,159.92	307.11	8.033	
14,100.00	12,493.50	12,477.41	12,475.29	49.49	263.22	-89.95	-958.60	-495.37	2,564.05	2,256.91	307.14	8.348	
14,200.00	12,493.50	12,477.39	12,475.27	50.17	263.22	-89.95	-958.60	-495.37	2,661.30	2,354.13	307.17	8.664	
14,300.00	12,493.50	12,477.37	12,475.25	50.89	263.22	-89.95	-958.60	-495.37	2,758.74	2,451.53	307.21	8.980	
14,400.00	12,493.50	12,477.35	12,475.23	51.63	263.21	-89.95	-958.60	-495.37	2,856.36	2,549.12	307.24	9.297	
14,500.00	12,493.50	12,477.33	12,475.21	52.41	263.21	-89.94	-958.60	-495.37	2,954.14	2,646.86	307.27	9.614	
14,600.00	12,493.30	12,477.11	12,475.00	53.21	263.21	-87.64	-958.60	-495.37	3,052.06	2,744.76	307.30	9.932	
14,700.00	12,492.48	12,476.30	12,474.18	54.04	263.20	-87.56	-958.60	-495.37	3,150.11	2,842.78	307.32	10.250	
14,800.00	12,491.66	12,475.49	12,473.37	54.89	263.18	-87.49	-958.60	-495.37	3,248.28	2,940.93	307.34	10.569	
14,900.00	12,490.84	12,474.68	12,472.56	55.77	263.17	-87.41	-958.60	-495.37	3,346.55	3,039.18	307.37	10.888	
15,000.00	12,490.02	12,473.87	12,471.75	56.67	263.15	-87.33	-958.60	-495.37	3,444.93	3,137.54	307.39	11.207	
15,100.00	12,488.99	12,472.86	12,470.74	57.60	263.13	-84.17	-958.60	-495.37	3,543.39	3,235.98	307.41	11.527	
15,200.00	12,487.23	12,471.14	12,469.02	58.54	263.10	-84.01	-958.60	-495.37	3,641.93	3,334.51	307.42	11.847	
15,300.00	12,485.46	12,469.42	12,467.31	59.51	263.07	-83.85	-958.60	-495.37	3,740.54	3,433.12	307.43	12.167	
15,400.00	12,483.69	12,467.71	12,465.60	60.50	263.04	-83.69	-958.60	-495.37	3,839.23	3,531.79	307.43	12.488	
15,500.00	12,481.93	12,466.00	12,463.89	61.50	263.01	-83.53	-958.60	-495.37	3,937.98	3,630.53	307.44	12.809	
15,600.00	12,480.16	12,464.30	12,462.18	62.52	262.98	-83.37	-958.60	-495.37	4,036.79	3,729.33	307.46	13.130	
15,700.00	12,478.39	12,462.60	12,460.48	63.55	262.95	-83.21	-958.60	-495.37	4,135.65	3,828.19	307.47	13.451	
15,800.00	12,476.63	12,460.90	12,458.78	64.61	262.92	-83.06	-958.60	-495.37	4,234.57	3,927.09	307.48	13.772	
15,900.00	12,474.86	12,459.20	12,457.09	65.67	262.89	-82.90	-958.60	-495.37	4,333.54	4,026.05	307.49	14.093	
16,000.00	12,473.10	12,457.51	12,455.39	66.75	262.86	-82.74	-958.60	-495.37	4,432.56	4,125.05	307.51	14.414	
16,100.00	12,471.33	12,455.74	12,453.63	67.84	262.83	-82.58	-958.83	-495.37	4,531.84	4,224.32	307.52	14.737	
16,200.00	12,469.56	12,453.98	12,451.86	68.95	262.80	-82.41	-958.83	-495.37	4,630.94	4,323.41	307.54	15.058	
16,300.00	12,467.80	12,452.21	12,450.10	70.07	262.77	-82.25	-958.83	-495.37	4,730.08	4,422.53	307.55	15.380	
16,400.00	12,466.03	12,450.45	12,448.33	71.20	262.74	-82.09	-958.83	-495.37	4,829.25	4,521.68	307.57	15.701	
16,500.00	12,464.26	12,448.68	12,446.56	72.34	262.70	-81.93	-958.83	-495.37	4,928.45	4,620.86	307.58	16.023	
16,600.00	12,462.50	12,446.91	12,444.80	73.49	262.67	-81.76	-958.83	-495.37	5,027.68	4,720.08	307.60	16.345	
16,700.00	12,460.73	12,445.15	12,443.03	74.65	262.64	-81.60	-958.83	-495.37	5,126.94	4,819.32	307.62	16.666	
16,800.00	12,458.96	12,443.38	12,441.26	75.82	262.61	-81.44	-958.83	-495.37	5,226.23	4,918.59	307.64	16.988	
16,900.00	12,457.20	12,441.61	12,439.50	77.00	262.58	-81.28	-958.83	-495.37	5,325.55	5,017.89	307.66	17.310	
17,000.00	12,455.43	12,439.85	12,437.73	78.18	262.55	-81.11	-958.83	-495.37	5,424.89	5,117.21	307.68	17.631	
17,100.00	12,453.66	12,438.08	12,435.96	79.38	262.51	-80.95	-958.83	-495.37	5,524.25	5,216.55	307.71	17.953	
17,200.00	12,451.90	12,436.31	12,434.20	80.58	262.48	-80.79	-958.83	-495.37	5,623.64	5,315.91	307.73	18.275	
17,300.00	12,450.13	12,434.55	12,432.43	81.79	262.45	-80.63	-958.83	-495.37	5,723.05	5,415.30	307.75	18.596	
17,400.00	12,448.36	12,432.78	12,430.66	83.01	262.42	-80.47	-958.83	-495.37	5,822.47	5,514.70	307.78	18.918	
17,448.95	12,447.50	12,431.92	12,429.80	83.61	262.40	-80.39	-958.83	-495.37	5,871.15	5,563.36	307.79	19.075	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 111H - OH - Plan 1 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.00	0.00	-90.43	-0.67	-89.94	89.94				
100.00	100.00	101.00	101.00	0.13	0.14	-90.43	-0.67	-89.94	89.94	89.67	0.27	332.319	
200.00	200.00	201.00	201.00	0.49	0.50	-90.43	-0.67	-89.94	89.94	88.95	0.99	91.071	
300.00	300.00	301.00	301.00	0.85	0.85	-90.43	-0.67	-89.94	89.94	88.24	1.70	52.766	
400.00	400.00	401.00	401.00	1.21	1.21	-90.43	-0.67	-89.94	89.94	87.52	2.42	37.143	
500.00	500.00	501.00	501.00	1.57	1.57	-90.43	-0.67	-89.94	89.94	86.80	3.14	28.658	
600.00	600.00	601.00	601.00	1.93	1.93	-90.43	-0.67	-89.94	89.94	86.09	3.86	23.329	
700.00	700.00	701.00	701.00	2.28	2.29	-90.43	-0.67	-89.94	89.94	85.37	4.57	19.671	
800.00	800.00	801.00	801.00	2.64	2.65	-90.43	-0.67	-89.94	89.94	84.65	5.29	17.004	
900.00	900.00	901.00	901.00	3.00	3.00	-90.43	-0.67	-89.94	89.94	83.93	6.01	14.975	
1,000.00	1,000.00	1,001.00	1,001.00	3.36	3.36	-90.43	-0.67	-89.94	89.94	83.22	6.72	13.378	
1,016.33	1,016.33	1,017.33	1,017.33	3.42	3.42	-90.43	-0.67	-89.94	89.94	83.10	6.84	13.149 CC	
1,100.00	1,100.00	1,100.99	1,100.99	3.72	3.72	-90.43	-0.68	-89.94	89.94	82.50	7.44	12.089 ES	
1,200.00	1,199.99	1,200.00	1,199.99	4.06	4.06	112.15	-0.98	-90.76	91.09	82.97	8.12	11.213	
1,300.00	1,299.96	1,297.96	1,297.92	4.39	4.40	113.03	-1.87	-93.14	94.52	85.75	8.78	10.766	
1,400.00	1,399.86	1,396.21	1,396.08	4.72	4.73	114.36	-3.35	-97.11	100.28	90.84	9.44	10.620 SF	
1,500.00	1,499.68	1,494.20	1,493.89	5.06	5.07	115.97	-5.40	-102.64	108.41	98.30	10.11	10.722	
1,600.00	1,599.37	1,591.82	1,591.22	5.40	5.41	117.72	-8.04	-109.71	118.95	108.17	10.78	11.033	
1,700.00	1,698.90	1,689.00	1,687.96	5.75	5.76	119.46	-11.23	-118.29	131.94	120.48	11.46	11.517	
1,800.00	1,798.26	1,785.64	1,784.00	6.10	6.11	121.10	-14.97	-128.34	147.39	135.26	12.13	12.147	
1,900.00	1,897.40	1,881.67	1,879.24	6.47	6.46	122.59	-19.25	-139.83	165.30	152.48	12.81	12.900	
2,000.00	1,996.43	1,977.12	1,973.70	6.83	6.81	123.87	-24.05	-152.73	185.17	171.68	13.50	13.719	
2,100.00	2,095.46	2,072.08	2,067.42	7.20	7.17	124.65	-29.38	-167.03	206.48	192.30	14.18	14.560	
2,200.00	2,194.48	2,168.68	2,162.56	7.58	7.55	125.12	-35.21	-182.69	228.82	213.93	14.89	15.367	
2,300.00	2,293.51	2,266.12	2,258.53	7.96	7.93	125.50	-41.11	-198.55	251.23	235.62	15.62	16.089	
2,400.00	2,392.54	2,363.56	2,354.49	8.34	8.32	125.82	-47.02	-214.42	273.65	257.31	16.34	16.743	
2,500.00	2,491.57	2,461.01	2,450.45	8.72	8.71	126.09	-52.92	-230.28	296.08	279.00	17.08	17.336	
2,600.00	2,590.59	2,558.45	2,546.41	9.11	9.10	126.33	-58.83	-246.14	318.51	300.70	17.82	17.878	
2,700.00	2,689.62	2,655.89	2,642.38	9.50	9.49	126.53	-64.74	-262.00	340.95	322.39	18.56	18.373	
2,800.00	2,788.65	2,753.34	2,738.34	9.89	9.89	126.71	-70.64	-277.87	363.39	344.09	19.30	18.827	
2,900.00	2,887.67	2,850.78	2,834.30	10.28	10.29	126.86	-76.55	-293.73	385.84	365.79	20.05	19.245	
3,000.00	2,986.70	2,948.23	2,930.26	10.67	10.69	127.00	-82.45	-309.59	408.28	387.48	20.80	19.631	
3,100.00	3,085.73	3,045.67	3,026.23	11.07	11.10	127.13	-88.36	-325.45	430.73	409.18	21.55	19.988	
3,200.00	3,184.79	3,143.14	3,122.22	11.46	11.50	127.31	-94.26	-341.32	453.05	430.75	22.30	20.314	
3,300.00	3,284.04	3,240.82	3,218.41	11.85	11.91	127.41	-100.18	-357.22	474.46	451.41	23.05	20.582	
3,400.00	3,383.49	3,338.70	3,314.80	12.23	12.32	127.35	-106.12	-373.15	494.84	471.04	23.80	20.792	
3,500.00	3,483.11	3,436.76	3,411.37	12.61	12.73	127.14	-112.06	-389.11	514.20	489.66	24.54	20.950	
3,600.00	3,582.87	3,534.96	3,508.08	12.98	13.14	126.80	-118.01	-405.10	532.55	507.27	25.28	21.063	
3,700.00	3,682.73	3,633.27	3,604.90	13.34	13.55	126.33	-123.97	-421.10	549.92	523.90	26.02	21.136	
3,800.00	3,782.67	3,731.67	3,701.80	13.70	13.97	125.75	-129.93	-437.12	566.35	539.60	26.75	21.174	
3,900.00	3,882.65	3,830.13	3,798.76	14.04	14.38	125.06	-135.90	-453.15	581.86	554.39	27.47	21.181	
4,000.00	3,982.65	3,928.61	3,895.74	14.37	14.80	-78.05	-141.87	-469.18	596.65	568.47	28.18	21.176	
4,100.00	4,082.65	4,027.09	3,992.72	14.70	15.22	-78.92	-147.84	-485.21	611.45	582.58	28.88	21.176	
4,200.00	4,182.65	4,125.57	4,089.71	15.03	15.63	-79.74	-153.80	-501.24	626.39	596.81	29.58	21.179	
4,300.00	4,282.65	4,224.05	4,186.69	15.35	16.05	-80.53	-159.77	-517.27	641.44	611.17	30.28	21.186	
4,400.00	4,382.65	4,322.53	4,283.67	15.68	16.47	-81.29	-165.74	-533.30	656.62	625.64	30.98	21.196	
4,500.00	4,482.65	4,421.01	4,380.65	16.01	16.89	-82.00	-171.71	-549.33	671.90	640.21	31.68	21.208	
4,600.00	4,582.65	4,519.49	4,477.64	16.35	17.31	-82.69	-177.68	-565.36	687.27	654.89	32.38	21.222	
4,700.00	4,682.65	4,617.97	4,574.62	16.68	17.73	-83.35	-183.64	-581.39	702.74	669.66	33.09	21.238	
4,800.00	4,782.65	4,716.45	4,671.60	17.01	18.15	-83.98	-189.61	-597.43	718.30	684.51	33.79	21.256	
4,900.00	4,882.65	4,814.93	4,768.59	17.35	18.57	-84.58	-195.58	-613.46	733.94	699.44	34.50	21.275	
5,000.00	4,982.65	4,913.41	4,865.57	17.68	18.99	-85.16	-201.55	-629.49	749.66	714.45	35.20	21.295	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 111H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,082.65	5,011.89	4,962.55	18.02	19.41	-85.71	-207.52	-645.52	765.44	729.53	35.91	21.315	
5,200.00	5,182.65	5,110.37	5,059.54	18.36	19.84	-86.24	-213.49	-661.55	781.30	744.68	36.62	21.337	
5,300.00	5,282.65	5,208.84	5,156.52	18.70	20.26	-86.75	-219.45	-677.58	797.21	759.89	37.32	21.359	
5,400.00	5,382.65	5,307.32	5,253.50	19.04	20.68	-87.24	-225.42	-693.61	813.19	775.16	38.03	21.381	
5,500.00	5,482.65	5,405.80	5,350.48	19.38	21.10	-87.71	-231.39	-709.64	829.22	790.48	38.74	21.404	
5,600.00	5,582.65	5,504.28	5,447.47	19.72	21.52	-88.17	-237.36	-725.67	845.31	805.86	39.45	21.427	
5,700.00	5,682.65	5,609.31	5,550.93	20.06	21.97	-88.63	-243.66	-742.59	861.29	821.08	40.21	21.419	
5,800.00	5,782.65	5,724.34	5,664.55	20.40	22.45	-89.06	-249.91	-759.38	875.80	834.76	41.04	21.339	
5,900.00	5,882.65	5,840.04	5,779.18	20.74	22.92	-89.44	-255.39	-774.11	888.48	846.62	41.86	21.225	
6,000.00	5,982.65	5,956.35	5,894.70	21.08	23.38	-89.75	-260.09	-786.72	899.30	856.64	42.67	21.078	
6,100.00	6,082.65	6,073.15	6,010.97	21.43	23.82	-89.99	-263.98	-797.17	908.25	864.80	43.46	20.900	
6,200.00	6,182.65	6,190.37	6,127.86	21.77	24.25	-90.19	-267.05	-805.43	915.30	871.07	44.23	20.693	
6,300.00	6,282.65	6,307.90	6,245.21	22.12	24.67	-90.33	-269.30	-811.46	920.44	875.45	44.99	20.457	
6,400.00	6,382.65	6,425.64	6,362.88	22.46	25.07	-90.41	-270.70	-815.23	923.65	877.92	45.73	20.196	
6,500.00	6,482.65	6,543.50	6,480.73	22.81	25.46	-90.45	-271.26	-816.74	924.94	878.48	46.46	19.910	
6,600.00	6,582.65	6,646.43	6,583.65	23.15	25.77	-90.45	-271.27	-816.77	924.96	877.83	47.13	19.625	
6,700.00	6,682.65	6,746.43	6,683.65	23.50	26.08	-90.45	-271.27	-816.77	924.96	877.16	47.80	19.349	
6,800.00	6,782.65	6,846.43	6,783.65	23.84	26.39	-90.45	-271.27	-816.77	924.96	876.48	48.48	19.080	
6,900.00	6,882.65	6,946.43	6,883.65	24.19	26.71	-90.45	-271.27	-816.77	924.96	875.81	49.15	18.818	
7,000.00	6,982.65	7,046.43	6,983.65	24.54	27.02	-90.45	-271.27	-816.77	924.96	875.13	49.83	18.563	
7,100.00	7,082.65	7,146.43	7,083.65	24.88	27.33	-90.45	-271.27	-816.77	924.96	874.46	50.51	18.314	
7,200.00	7,182.65	7,246.43	7,183.65	25.23	27.65	-90.45	-271.27	-816.77	924.96	873.78	51.18	18.071	
7,300.00	7,282.65	7,346.43	7,283.65	25.58	27.96	-90.45	-271.27	-816.77	924.96	873.10	51.86	17.835	
7,400.00	7,382.65	7,446.43	7,383.65	25.93	28.28	-90.45	-271.27	-816.77	924.96	872.42	52.54	17.604	
7,500.00	7,482.65	7,546.43	7,483.65	26.28	28.60	-90.45	-271.27	-816.77	924.96	871.74	53.22	17.379	
7,600.00	7,582.65	7,646.43	7,583.65	26.63	28.92	-90.45	-271.27	-816.77	924.96	871.06	53.91	17.159	
7,700.00	7,682.65	7,746.43	7,683.65	26.97	29.24	-90.45	-271.27	-816.77	924.96	870.37	54.59	16.944	
7,800.00	7,782.65	7,846.43	7,783.65	27.32	29.56	-90.45	-271.27	-816.77	924.96	869.69	55.27	16.735	
7,900.00	7,882.65	7,946.43	7,883.65	27.67	29.88	-90.45	-271.27	-816.77	924.96	869.01	55.96	16.530	
8,000.00	7,982.65	8,046.43	7,983.65	28.02	30.21	-90.45	-271.27	-816.77	924.96	868.32	56.64	16.330	
8,100.00	8,082.65	8,146.43	8,083.65	28.37	30.53	-90.45	-271.27	-816.77	924.96	867.63	57.33	16.134	
8,200.00	8,182.65	8,246.43	8,183.65	28.72	30.85	-90.45	-271.27	-816.77	924.96	866.95	58.02	15.943	
8,300.00	8,282.65	8,346.43	8,283.65	29.07	31.18	-90.45	-271.27	-816.77	924.96	866.26	58.70	15.757	
8,400.00	8,382.65	8,446.43	8,383.65	29.42	31.50	-90.45	-271.27	-816.77	924.96	865.57	59.39	15.574	
8,500.00	8,482.65	8,546.43	8,483.65	29.78	31.83	-90.45	-271.27	-816.77	924.96	864.88	60.08	15.396	
8,600.00	8,582.65	8,646.43	8,583.65	30.13	32.16	-90.45	-271.27	-816.77	924.96	864.19	60.77	15.221	
8,700.00	8,682.65	8,746.43	8,683.65	30.48	32.49	-90.45	-271.27	-816.77	924.96	863.50	61.46	15.050	
8,800.00	8,782.65	8,846.43	8,783.65	30.83	32.81	-90.45	-271.27	-816.77	924.96	862.81	62.15	14.883	
8,900.00	8,882.65	8,946.43	8,883.65	31.18	33.14	-90.45	-271.27	-816.77	924.96	862.12	62.84	14.719	
9,000.00	8,982.65	9,046.43	8,983.65	31.53	33.47	-90.45	-271.27	-816.77	924.96	861.43	63.53	14.559	
9,100.00	9,082.65	9,146.43	9,083.65	31.88	33.80	-90.45	-271.27	-816.77	924.96	860.74	64.23	14.402	
9,200.00	9,182.65	9,246.43	9,183.65	32.24	34.13	-90.45	-271.27	-816.77	924.96	860.04	64.92	14.248	
9,300.00	9,282.65	9,346.43	9,283.65	32.59	34.46	-90.45	-271.27	-816.77	924.96	859.35	65.61	14.097	
9,400.00	9,382.65	9,446.43	9,383.65	32.94	34.80	-90.45	-271.27	-816.77	924.96	858.66	66.31	13.950	
9,500.00	9,482.65	9,546.43	9,483.65	33.29	35.13	-90.45	-271.27	-816.77	924.96	857.96	67.00	13.805	
9,600.00	9,582.65	9,646.43	9,583.65	33.64	35.46	-90.45	-271.27	-816.77	924.96	857.27	67.70	13.663	
9,700.00	9,682.65	9,746.43	9,683.65	34.00	35.80	-90.45	-271.27	-816.77	924.96	856.57	68.39	13.525	
9,800.00	9,782.65	9,846.43	9,783.65	34.35	36.13	-90.45	-271.27	-816.77	924.96	855.88	69.09	13.388	
9,900.00	9,882.65	9,946.43	9,883.65	34.70	36.46	-90.45	-271.27	-816.77	924.96	855.18	69.78	13.255	
9,908.31	9,890.96	9,954.74	9,891.96	34.73	36.49	-90.45	-271.27	-816.77	924.96	855.12	69.84	13.244	
10,000.00	9,982.65	10,043.13	9,980.19	35.06	36.78	-90.21	-267.47	-816.89	925.07	854.60	70.47	13.127	
10,100.00	10,082.65	10,133.55	10,068.28	35.41	37.06	-88.99	-247.69	-817.55	925.99	854.85	71.14	13.016	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 111H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.00	10,182.65	10,214.11	10,142.40	35.76	37.27	-87.05	-216.37	-818.59	928.90	857.15	71.75	12.946	
10,300.00	10,282.65	10,282.61	10,200.52	36.12	37.42	-84.84	-180.26	-819.79	935.43	863.20	72.23	12.951	
10,400.00	10,382.65	10,339.35	10,244.35	36.47	37.52	-82.65	-144.30	-820.98	947.13	874.65	72.48	13.068	
10,500.00	10,482.65	10,385.90	10,276.92	36.82	37.58	-80.66	-111.09	-822.08	965.14	892.71	72.43	13.325	
10,600.00	10,582.65	10,425.00	10,301.67	37.18	37.63	-78.87	-80.85	-823.09	990.11	918.04	72.07	13.739	
10,700.00	10,682.65	10,450.00	10,316.17	37.53	37.65	-77.68	-60.49	-823.76	1,022.24	950.93	71.31	14.336	
10,800.00	10,782.65	10,481.86	10,333.06	37.88	37.67	-76.12	-33.51	-824.66	1,061.30	990.87	70.43	15.069	
10,900.00	10,882.65	10,500.00	10,341.86	38.24	37.68	-75.21	-17.65	-825.18	1,106.98	1,037.72	69.26	15.983	
11,000.00	10,982.65	10,525.00	10,352.99	38.59	37.69	-73.95	4.72	-825.92	1,158.67	1,090.56	68.10	17.013	
11,100.00	11,082.65	10,538.72	10,358.59	38.95	37.70	-73.25	17.24	-826.34	1,215.79	1,148.99	66.80	18.201	
11,200.00	11,182.65	10,550.00	10,362.93	39.30	37.70	-72.67	27.64	-826.68	1,277.74	1,212.24	65.50	19.506	
11,300.00	11,282.65	10,564.73	10,368.22	39.65	37.71	-71.91	41.38	-827.14	1,343.92	1,279.59	64.32	20.893	
11,400.00	11,382.65	10,575.00	10,371.66	40.01	37.71	-71.39	51.05	-827.46	1,413.80	1,350.62	63.18	22.376	
11,500.00	11,482.65	10,584.79	10,374.74	40.36	37.71	-70.88	60.34	-827.77	1,486.91	1,424.77	62.14	23.927	
11,600.00	11,582.65	10,600.00	10,379.15	40.72	37.71	-70.10	74.89	-828.25	1,562.88	1,501.61	61.27	25.508	
11,700.00	11,682.65	10,600.00	10,379.15	41.07	37.71	-70.10	74.89	-828.25	1,641.19	1,580.84	60.35	27.195	
11,800.00	11,782.65	10,600.00	10,379.15	41.43	37.71	-70.10	74.89	-828.25	1,721.74	1,662.20	59.54	28.916	
11,900.00	11,882.65	10,613.56	10,382.69	41.78	37.71	-69.41	87.97	-828.69	1,804.03	1,745.06	58.97	30.593	
12,000.00	11,982.65	10,625.00	10,385.38	42.14	37.71	-68.82	99.08	-829.05	1,888.05	1,829.58	58.46	32.295	
12,100.00	12,082.36	10,625.00	10,385.38	42.48	37.71	-56.34	99.08	-829.05	1,972.10	1,914.18	57.92	34.050	
12,200.00	12,178.84	10,634.98	10,387.52	42.80	37.71	-44.10	108.83	-829.38	2,051.25	1,993.79	57.46	35.701	
12,300.00	12,267.88	10,650.00	10,390.34	43.09	37.72	-36.00	123.57	-829.87	2,122.39	2,065.34	57.05	37.203	
12,400.00	12,345.60	10,662.12	10,392.28	43.32	37.72	-30.81	135.53	-830.26	2,183.08	2,126.41	56.67	38.524	
12,500.00	12,408.60	10,675.00	10,394.01	43.53	37.72	-27.48	148.28	-830.69	2,231.42	2,175.05	56.37	39.582	
12,600.00	12,454.13	10,700.00	10,396.38	43.71	37.72	-25.41	173.15	-831.51	2,265.91	2,209.67	56.24	40.288	
12,700.00	12,480.22	10,714.30	10,397.15	43.86	37.72	-24.40	187.42	-831.98	2,285.56	2,229.35	56.21	40.661	
12,800.00	12,491.65	10,732.82	10,397.51	44.02	37.73	-24.15	205.93	-832.60	2,295.26	2,238.92	56.34	40.737	
12,900.00	12,493.50	10,856.39	10,397.50	44.18	37.80	-24.10	329.48	-834.49	2,297.21	2,240.49	56.71	40.504	
13,000.00	12,493.50	10,956.39	10,397.50	44.39	37.96	-24.10	429.48	-835.27	2,297.21	2,240.10	57.11	40.225	
13,100.00	12,493.50	11,056.39	10,397.50	44.65	38.21	-24.10	529.48	-836.05	2,297.20	2,239.64	57.56	39.910	
13,200.00	12,493.50	11,156.39	10,397.50	44.95	38.54	-24.10	629.47	-836.83	2,297.20	2,239.14	58.07	39.561	
13,300.00	12,493.50	11,256.39	10,397.50	45.30	38.93	-24.10	729.47	-837.62	2,297.20	2,238.58	58.63	39.183	
13,400.00	12,493.50	11,356.39	10,397.50	45.68	39.38	-24.10	829.47	-838.40	2,297.20	2,237.96	59.24	38.778	
13,500.00	12,493.50	11,456.39	10,397.50	46.11	39.88	-24.10	929.46	-839.18	2,297.20	2,237.30	59.90	38.349	
13,600.00	12,493.50	11,556.39	10,397.50	46.58	40.42	-24.10	1,029.46	-839.97	2,297.20	2,236.59	60.62	37.898	
13,700.00	12,493.50	11,656.39	10,397.50	47.09	41.00	-24.10	1,129.46	-840.75	2,297.20	2,235.83	61.38	37.429	
13,800.00	12,493.50	11,756.39	10,397.50	47.63	41.63	-24.10	1,229.45	-841.53	2,297.20	2,235.02	62.18	36.944	
13,900.00	12,493.50	11,856.39	10,397.50	48.22	42.29	-24.10	1,329.45	-842.32	2,297.20	2,234.17	63.03	36.446	
14,000.00	12,493.50	11,956.39	10,397.50	48.83	42.99	-24.10	1,429.45	-843.10	2,297.20	2,233.28	63.92	35.938	
14,100.00	12,493.50	12,056.39	10,397.50	49.49	43.73	-24.10	1,529.45	-843.88	2,297.20	2,232.35	64.85	35.422	
14,200.00	12,493.50	12,156.39	10,397.50	50.17	44.50	-24.10	1,629.44	-844.66	2,297.20	2,231.38	65.82	34.900	
14,300.00	12,493.50	12,256.39	10,397.50	50.89	45.31	-24.10	1,729.44	-845.45	2,297.20	2,230.37	66.83	34.374	
14,400.00	12,493.50	12,356.39	10,397.50	51.63	46.14	-24.10	1,829.44	-846.23	2,297.20	2,229.33	67.87	33.847	
14,500.00	12,493.50	12,456.39	10,397.50	52.41	47.00	-24.10	1,929.43	-847.01	2,297.20	2,228.25	68.95	33.319	
14,600.00	12,493.30	12,556.39	10,397.50	53.21	47.89	-24.10	2,029.43	-847.80	2,297.02	2,226.96	70.05	32.789	
14,700.00	12,492.48	12,656.39	10,397.50	54.04	48.81	-24.11	2,129.42	-848.58	2,296.27	2,225.07	71.20	32.252	
14,800.00	12,491.66	12,756.38	10,397.50	54.89	49.75	-24.12	2,229.42	-849.36	2,295.52	2,223.15	72.37	31.719	
14,900.00	12,490.84	12,856.38	10,397.50	55.77	50.71	-24.13	2,329.41	-850.14	2,294.77	2,221.20	73.57	31.191	
15,000.00	12,490.02	12,956.38	10,397.50	56.67	51.70	-24.13	2,429.40	-850.93	2,294.02	2,219.22	74.80	30.669	
15,100.00	12,488.99	13,056.37	10,397.50	57.60	52.70	-24.15	2,529.40	-851.71	2,293.08	2,217.03	76.05	30.151	
15,200.00	12,487.23	13,156.35	10,397.50	58.54	53.73	-24.16	2,629.38	-852.49	2,291.47	2,214.13	77.34	29.630	
15,300.00	12,485.46	13,256.34	10,397.50	59.51	54.77	-24.18	2,729.36	-853.28	2,289.86	2,211.21	78.64	29.117	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 111H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	12,483.69	13,356.32	10,397.50	60.50	55.83	-24.20	2,829.34	-854.06	2,288.24	2,208.27	79.97	28.613	
15,500.00	12,481.93	13,456.31	10,397.50	61.50	56.91	-24.22	2,929.32	-854.84	2,286.63	2,205.31	81.32	28.118	
15,600.00	12,480.16	13,556.29	10,397.50	62.52	58.00	-24.24	3,029.30	-855.62	2,285.02	2,202.33	82.69	27.632	
15,700.00	12,478.39	13,656.28	10,397.50	63.55	59.11	-24.26	3,129.28	-856.41	2,283.41	2,199.33	84.08	27.156	
15,800.00	12,476.63	13,756.26	10,397.50	64.61	60.23	-24.27	3,229.26	-857.19	2,281.80	2,196.31	85.49	26.690	
15,900.00	12,474.86	13,856.25	10,397.50	65.67	61.36	-24.29	3,329.25	-857.97	2,280.19	2,193.27	86.92	26.233	
16,000.00	12,473.10	13,956.23	10,397.50	66.75	62.51	-24.31	3,429.23	-858.76	2,278.58	2,190.21	88.36	25.787	
16,100.00	12,471.33	14,056.21	10,397.50	67.84	63.66	-24.33	3,529.21	-859.54	2,276.97	2,187.14	89.82	25.350	
16,200.00	12,469.56	14,156.20	10,397.50	68.95	64.83	-24.35	3,629.19	-860.32	2,275.36	2,184.06	91.30	24.923	
16,300.00	12,467.80	14,256.18	10,397.50	70.07	66.01	-24.36	3,729.17	-861.10	2,273.75	2,180.96	92.79	24.505	
16,400.00	12,466.03	14,356.17	10,397.50	71.20	67.20	-24.38	3,829.15	-861.89	2,272.14	2,177.85	94.29	24.097	
16,500.00	12,464.26	14,456.15	10,397.50	72.34	68.40	-24.40	3,929.13	-862.67	2,270.53	2,174.72	95.81	23.699	
16,600.00	12,462.50	14,556.14	10,397.50	73.49	69.61	-24.42	4,029.12	-863.45	2,268.92	2,171.58	97.34	23.310	
16,700.00	12,460.73	14,656.12	10,397.50	74.65	70.82	-24.44	4,129.10	-864.24	2,267.31	2,168.43	98.88	22.930	
16,800.00	12,458.96	14,756.11	10,397.50	75.82	72.05	-24.46	4,229.08	-865.02	2,265.70	2,165.27	100.43	22.559	
16,900.00	12,457.20	14,856.09	10,397.50	77.00	73.28	-24.48	4,329.06	-865.80	2,264.09	2,162.09	102.00	22.197	
17,000.00	12,455.43	14,956.07	10,397.50	78.18	74.52	-24.49	4,429.04	-866.58	2,262.48	2,158.91	103.57	21.844	
17,100.00	12,453.66	15,056.06	10,397.50	79.38	75.76	-24.51	4,529.02	-867.37	2,260.88	2,155.72	105.16	21.499	
17,200.00	12,451.90	15,156.04	10,397.50	80.58	77.02	-24.53	4,629.00	-868.15	2,259.27	2,152.51	106.76	21.163	
17,300.00	12,450.13	15,256.03	10,397.50	81.79	78.28	-24.55	4,728.98	-868.93	2,257.66	2,149.30	108.36	20.834	
17,400.00	12,448.36	15,356.01	10,397.50	83.01	79.54	-24.57	4,828.97	-869.72	2,256.05	2,146.07	109.98	20.513	
17,448.95	12,447.50	15,404.95	10,397.50	83.61	80.16	-24.58	4,877.91	-870.10	2,255.27	2,144.49	110.77	20.359	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 131H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.00	0.00	-90.43	-0.90	-119.97	119.97				
100.00	100.00	101.00	101.00	0.13	0.14	-90.43	-0.90	-119.97	119.97	119.70	0.27	443.283	
200.00	200.00	201.00	201.00	0.49	0.50	-90.43	-0.90	-119.97	119.97	118.99	0.99	121.481	
300.00	300.00	301.00	301.00	0.85	0.85	-90.43	-0.90	-119.97	119.97	118.27	1.70	70.385	
400.00	400.00	401.00	401.00	1.21	1.21	-90.43	-0.90	-119.97	119.97	117.55	2.42	49.545	
500.00	500.00	501.00	501.00	1.57	1.57	-90.43	-0.90	-119.97	119.97	116.83	3.14	38.227	
600.00	600.00	601.00	601.00	1.93	1.93	-90.43	-0.90	-119.97	119.97	116.12	3.86	31.118	
700.00	700.00	701.00	701.00	2.28	2.29	-90.43	-0.90	-119.97	119.97	115.40	4.57	26.239	
800.00	800.00	801.00	801.00	2.64	2.65	-90.43	-0.90	-119.97	119.97	114.68	5.29	22.682	
900.00	900.00	901.00	901.00	3.00	3.00	-90.43	-0.90	-119.97	119.97	113.97	6.01	19.975	
1,000.00	1,000.00	1,001.00	1,001.00	3.36	3.36	-90.43	-0.90	-119.97	119.97	113.25	6.72	17.845	
1,016.33	1,016.33	1,017.33	1,017.33	3.42	3.42	-90.43	-0.90	-119.97	119.97	113.13	6.84	17.539	CC
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-90.43	-0.90	-119.97	119.98	112.54	7.44	16.134	ES
1,200.00	1,199.99	1,198.98	1,198.97	4.06	4.06	112.11	-1.12	-120.80	121.14	113.02	8.12	14.918	
1,300.00	1,299.96	1,296.88	1,296.84	4.39	4.39	112.87	-1.78	-123.24	124.64	115.86	8.78	14.199	
1,400.00	1,399.86	1,394.58	1,394.45	4.72	4.73	114.05	-2.86	-127.28	130.49	121.05	9.44	13.823	
1,500.00	1,499.68	1,491.99	1,491.68	5.06	5.07	115.52	-4.37	-132.92	138.76	128.66	10.11	13.731	
1,600.00	1,599.37	1,589.00	1,588.41	5.40	5.41	117.17	-6.30	-140.11	149.50	138.73	10.77	13.875	
1,700.00	1,698.90	1,685.54	1,684.52	5.75	5.75	118.88	-8.64	-148.84	162.76	151.32	11.45	14.220	
1,800.00	1,798.26	1,781.50	1,779.90	6.10	6.10	120.55	-11.38	-159.07	178.56	166.44	12.12	14.733	
1,900.00	1,897.40	1,876.81	1,874.43	6.47	6.45	122.13	-14.51	-170.76	196.91	184.11	12.80	15.389	
2,000.00	1,996.43	1,971.50	1,968.14	6.83	6.80	123.56	-18.02	-183.87	217.33	203.86	13.47	16.131	
2,100.00	2,095.46	2,065.65	2,061.09	7.20	7.16	124.57	-21.91	-198.39	239.28	225.13	14.15	16.911	
2,200.00	2,194.48	2,161.60	2,155.60	7.58	7.53	125.30	-26.20	-214.38	262.42	247.57	14.85	17.669	
2,300.00	2,293.51	2,258.82	2,251.34	7.96	7.91	125.90	-30.57	-230.69	285.68	270.10	15.57	18.345	
2,400.00	2,392.54	2,356.04	2,347.08	8.34	8.30	126.41	-34.94	-246.99	308.96	292.66	16.30	18.957	
2,500.00	2,491.57	2,453.25	2,442.82	8.72	8.69	126.85	-39.31	-263.30	332.27	315.24	17.03	19.513	
2,600.00	2,590.59	2,550.47	2,538.56	9.11	9.08	127.23	-43.68	-279.61	355.59	337.83	17.76	20.020	
2,700.00	2,689.62	2,647.69	2,634.30	9.50	9.47	127.57	-48.04	-295.91	378.92	360.43	18.50	20.484	
2,800.00	2,788.65	2,744.90	2,730.04	9.89	9.87	127.87	-52.41	-312.22	402.27	383.03	19.24	20.910	
2,900.00	2,887.67	2,842.12	2,825.78	10.28	10.27	128.13	-56.78	-328.53	425.63	405.64	19.98	21.302	
3,000.00	2,986.70	2,939.34	2,921.52	10.67	10.67	128.37	-61.15	-344.83	448.99	428.26	20.73	21.664	
3,100.00	3,085.73	3,036.56	3,017.26	11.07	11.07	128.58	-65.52	-361.14	472.36	450.89	21.47	21.999	
3,200.00	3,184.79	3,133.81	3,113.03	11.46	11.47	128.85	-69.89	-377.45	495.60	473.38	22.22	22.304	
3,300.00	3,284.04	3,231.29	3,209.03	11.85	11.88	129.05	-74.27	-393.80	517.90	494.94	22.97	22.551	
3,400.00	3,383.49	3,329.00	3,305.26	12.23	12.29	129.09	-78.66	-410.19	539.14	515.43	23.71	22.740	
3,500.00	3,483.11	3,426.91	3,401.68	12.61	12.70	128.99	-83.07	-426.61	559.30	534.85	24.45	22.876	
3,600.00	3,582.87	3,525.00	3,498.28	12.98	13.11	128.76	-87.47	-443.07	578.40	553.22	25.19	22.965	
3,700.00	3,682.73	3,623.23	3,595.02	13.34	13.52	128.42	-91.89	-459.54	596.47	570.55	25.92	23.013	
3,800.00	3,782.67	3,721.57	3,691.87	13.70	13.94	127.96	-96.31	-476.04	613.52	586.87	26.65	23.024	
3,900.00	3,882.65	3,820.00	3,788.80	14.04	14.35	127.41	-100.73	-492.55	629.58	602.21	27.37	23.003	
4,000.00	3,982.65	3,918.47	3,885.78	14.37	14.77	-75.56	-105.16	-509.06	644.83	616.76	28.07	22.970	
4,100.00	4,082.65	4,016.96	3,982.76	14.70	15.19	-76.30	-109.58	-525.58	660.06	631.29	28.77	22.940	
4,200.00	4,182.65	4,115.44	4,079.75	15.03	15.60	-77.01	-114.01	-542.10	675.40	645.92	29.47	22.915	
4,300.00	4,282.65	4,213.92	4,176.73	15.35	16.02	-77.68	-118.44	-558.62	690.83	660.65	30.18	22.893	
4,400.00	4,382.65	4,312.40	4,273.72	15.68	16.44	-78.32	-122.86	-575.14	706.35	675.47	30.88	22.875	
4,500.00	4,482.65	4,410.88	4,370.70	16.01	16.86	-78.94	-127.29	-591.66	721.95	690.37	31.58	22.859	
4,600.00	4,582.65	4,509.36	4,467.69	16.35	17.28	-79.53	-131.71	-608.17	737.64	705.35	32.29	22.847	
4,700.00	4,682.65	4,607.84	4,564.67	16.68	17.70	-80.10	-136.14	-624.69	753.39	720.40	32.99	22.836	
4,800.00	4,782.65	4,706.32	4,661.66	17.01	18.12	-80.64	-140.57	-641.21	769.22	735.52	33.70	22.828	
4,900.00	4,882.65	4,804.80	4,758.64	17.35	18.54	-81.16	-144.99	-657.73	785.11	750.71	34.40	22.821	
5,000.00	4,982.65	4,903.28	4,855.63	17.68	18.96	-81.66	-149.42	-674.25	801.06	765.96	35.11	22.816	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 131H - OH - Plan 1 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,082.65	5,001.76	4,952.61	18.02	19.38	-82.14	-153.84	-690.77	817.08	781.26	35.82	22.813	
5,200.00	5,182.65	5,100.24	5,049.59	18.36	19.80	-82.61	-158.27	-707.28	833.14	796.62	36.52	22.811	
5,300.00	5,282.65	5,198.72	5,146.58	18.70	20.22	-83.05	-162.70	-723.80	849.26	812.02	37.23	22.809	
5,400.00	5,382.65	5,297.21	5,243.56	19.04	20.65	-83.48	-167.12	-740.32	865.42	827.48	37.94	22.809	
5,500.00	5,482.65	5,395.69	5,340.55	19.38	21.07	-83.89	-171.55	-756.84	881.63	842.98	38.65	22.810	
5,600.00	5,582.65	5,494.17	5,437.53	19.72	21.49	-84.29	-175.97	-773.36	897.88	858.52	39.36	22.811	
5,700.00	5,682.65	5,592.65	5,534.52	20.06	21.91	-84.68	-180.40	-789.87	914.18	874.10	40.07	22.814	
5,800.00	5,782.65	5,699.76	5,640.03	20.40	22.37	-85.13	-185.99	-807.44	930.09	889.24	40.85	22.768	
5,900.00	5,882.65	5,807.65	5,746.35	20.74	22.83	-85.67	-193.40	-824.20	945.07	903.44	41.63	22.701	
6,000.00	5,982.65	5,915.55	5,852.68	21.08	23.28	-86.29	-202.61	-840.02	959.16	916.75	42.41	22.617	
6,100.00	6,082.65	6,023.38	5,958.92	21.43	23.73	-87.00	-213.62	-854.87	972.39	929.21	43.18	22.520	
6,200.00	6,182.65	6,135.44	6,069.41	21.77	24.19	-87.75	-225.72	-869.07	984.64	940.67	43.97	22.392	
6,300.00	6,282.65	6,248.90	6,181.63	22.12	24.65	-88.41	-236.57	-881.78	995.57	950.81	44.76	22.240	
6,400.00	6,382.65	6,362.98	6,294.78	22.46	25.09	-88.97	-246.03	-892.86	1,005.12	959.57	45.55	22.067	
6,500.00	6,482.65	6,477.61	6,408.73	22.81	25.52	-89.43	-254.06	-902.25	1,013.24	966.92	46.32	21.874	
6,600.00	6,582.65	6,592.68	6,523.36	23.15	25.94	-89.81	-260.62	-909.94	1,019.90	972.81	47.09	21.660	
6,700.00	6,682.65	6,708.12	6,638.54	23.50	26.35	-90.09	-265.71	-915.90	1,025.06	977.22	47.84	21.427	
6,800.00	6,782.65	6,823.83	6,754.11	23.84	26.75	-90.29	-269.29	-920.09	1,028.69	980.11	48.58	21.175	
6,900.00	6,882.65	6,939.72	6,869.95	24.19	27.14	-90.41	-271.36	-922.51	1,030.80	981.49	49.31	20.905	
7,000.00	6,982.65	7,053.43	6,983.65	24.54	27.50	-90.44	-271.92	-923.17	1,031.37	981.35	50.01	20.621	
7,100.00	7,082.65	7,153.43	7,083.65	24.88	27.81	-90.44	-271.92	-923.17	1,031.37	980.68	50.69	20.347	
7,200.00	7,182.65	7,253.43	7,183.65	25.23	28.12	-90.44	-271.92	-923.17	1,031.37	980.00	51.36	20.080	
7,300.00	7,282.65	7,353.43	7,283.65	25.58	28.43	-90.44	-271.92	-923.17	1,031.37	979.33	52.04	19.820	
7,400.00	7,382.65	7,453.43	7,383.65	25.93	28.74	-90.44	-271.92	-923.17	1,031.37	978.65	52.71	19.566	
7,500.00	7,482.65	7,553.43	7,483.65	26.28	29.05	-90.44	-271.92	-923.17	1,031.37	977.98	53.39	19.318	
7,600.00	7,582.65	7,653.43	7,583.65	26.63	29.36	-90.44	-271.92	-923.17	1,031.37	977.30	54.07	19.075	
7,700.00	7,682.65	7,753.43	7,683.65	26.97	29.68	-90.44	-271.92	-923.17	1,031.37	976.62	54.75	18.839	
7,800.00	7,782.65	7,853.43	7,783.65	27.32	29.99	-90.44	-271.92	-923.17	1,031.37	975.94	55.43	18.607	
7,900.00	7,882.65	7,953.43	7,883.65	27.67	30.31	-90.44	-271.92	-923.17	1,031.37	975.26	56.11	18.382	
8,000.00	7,982.65	8,053.43	7,983.65	28.02	30.62	-90.44	-271.92	-923.17	1,031.37	974.58	56.79	18.161	
8,100.00	8,082.65	8,153.43	8,083.65	28.37	30.94	-90.44	-271.92	-923.17	1,031.37	973.89	57.47	17.945	
8,200.00	8,182.65	8,253.43	8,183.65	28.72	31.26	-90.44	-271.92	-923.17	1,031.37	973.21	58.16	17.734	
8,300.00	8,282.65	8,353.43	8,283.65	29.07	31.58	-90.44	-271.92	-923.17	1,031.37	972.52	58.84	17.528	
8,400.00	8,382.65	8,453.43	8,383.65	29.42	31.90	-90.44	-271.92	-923.17	1,031.37	971.84	59.53	17.326	
8,500.00	8,482.65	8,553.43	8,483.65	29.78	32.22	-90.44	-271.92	-923.17	1,031.37	971.15	60.21	17.129	
8,600.00	8,582.65	8,653.43	8,583.65	30.13	32.55	-90.44	-271.92	-923.17	1,031.37	970.47	60.90	16.936	
8,700.00	8,682.65	8,753.43	8,683.65	30.48	32.87	-90.44	-271.92	-923.17	1,031.37	969.78	61.59	16.747	
8,800.00	8,782.65	8,853.43	8,783.65	30.83	33.19	-90.44	-271.92	-923.17	1,031.37	969.09	62.27	16.562	
8,900.00	8,882.65	8,953.43	8,883.65	31.18	33.52	-90.44	-271.92	-923.17	1,031.37	968.40	62.96	16.381	
9,000.00	8,982.65	9,053.43	8,983.65	31.53	33.84	-90.44	-271.92	-923.17	1,031.37	967.71	63.65	16.203	
9,100.00	9,082.65	9,153.43	9,083.65	31.88	34.17	-90.44	-271.92	-923.17	1,031.37	967.03	64.34	16.030	
9,200.00	9,182.65	9,253.43	9,183.65	32.24	34.49	-90.44	-271.92	-923.17	1,031.37	966.33	65.03	15.860	
9,300.00	9,282.65	9,353.43	9,283.65	32.59	34.82	-90.44	-271.92	-923.17	1,031.37	965.64	65.72	15.693	
9,400.00	9,382.65	9,453.43	9,383.65	32.94	35.15	-90.44	-271.92	-923.17	1,031.37	964.95	66.41	15.530	
9,500.00	9,482.65	9,553.43	9,483.65	33.29	35.48	-90.44	-271.92	-923.17	1,031.37	964.26	67.11	15.369	
9,600.00	9,582.65	9,653.43	9,583.65	33.64	35.81	-90.44	-271.92	-923.17	1,031.37	963.57	67.80	15.212	
9,700.00	9,682.65	9,753.43	9,683.65	34.00	36.13	-90.44	-271.92	-923.17	1,031.37	962.88	68.49	15.059	
9,800.00	9,782.65	9,853.43	9,783.65	34.35	36.46	-90.44	-271.92	-923.17	1,031.37	962.18	69.18	14.908	
9,900.00	9,882.65	9,953.43	9,883.65	34.70	36.79	-90.44	-271.92	-923.17	1,031.37	961.49	69.88	14.760	
10,000.00	9,982.65	10,053.43	9,983.65	35.06	37.13	-90.44	-271.92	-923.17	1,031.37	960.79	70.57	14.614	
10,100.00	10,082.65	10,153.43	10,083.65	35.41	37.46	-90.44	-271.92	-923.17	1,031.37	960.10	71.27	14.472	
10,200.00	10,182.65	10,253.43	10,183.65	35.76	37.79	-90.44	-271.92	-923.17	1,031.37	959.40	71.96	14.332	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 131H - OH - Plan 1 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	10,282.65	10,353.43	10,283.65	36.12	38.12	-90.44	-271.92	-923.17	1,031.37	958.71	72.66	14.195	
10,400.00	10,382.65	10,453.43	10,383.65	36.47	38.45	-90.44	-271.92	-923.17	1,031.37	958.01	73.35	14.060	
10,500.00	10,482.65	10,553.43	10,483.65	36.82	38.79	-90.44	-271.92	-923.17	1,031.37	957.32	74.05	13.928	
10,600.00	10,582.65	10,653.43	10,583.65	37.18	39.12	-90.44	-271.92	-923.17	1,031.37	956.62	74.75	13.798	
10,700.00	10,682.65	10,753.43	10,683.65	37.53	39.46	-90.44	-271.92	-923.17	1,031.37	955.92	75.44	13.671	
10,800.00	10,782.65	10,853.43	10,783.65	37.88	39.79	-90.44	-271.92	-923.17	1,031.37	955.22	76.14	13.545	
10,900.00	10,882.65	10,953.43	10,883.65	38.24	40.13	-90.44	-271.92	-923.17	1,031.37	954.53	76.84	13.422	
11,000.00	10,982.65	11,053.43	10,983.65	38.59	40.46	-90.44	-271.92	-923.17	1,031.37	953.83	77.54	13.301	
11,100.00	11,082.65	11,173.21	11,103.21	38.95	40.86	-90.17	-267.21	-922.55	1,030.91	952.65	78.26	13.173	
11,200.00	11,182.65	11,303.95	11,228.54	39.30	41.23	-88.20	-231.74	-917.88	1,027.54	948.59	78.95	13.016	
11,300.00	11,282.65	11,409.68	11,319.81	39.65	41.45	-85.24	-179.24	-910.97	1,023.30	943.65	79.64	12.848	
11,392.54	11,375.19	11,484.41	11,376.19	39.98	41.57	-82.50	-130.74	-904.58	1,021.49	941.22	80.27	12.726	
11,400.00	11,382.65	11,489.59	11,379.81	40.01	41.57	-82.29	-127.06	-904.10	1,021.50	941.19	80.32	12.719	
11,500.00	11,482.65	11,550.00	11,418.87	40.36	41.63	-79.71	-81.43	-898.09	1,024.75	943.93	80.82	12.680	
11,600.00	11,582.65	11,593.64	11,443.32	40.72	41.66	-77.69	-45.60	-893.38	1,034.65	953.64	81.02	12.771	
11,700.00	11,682.65	11,625.00	11,458.79	41.07	41.67	-76.18	-18.57	-889.82	1,052.04	971.20	80.84	13.014	
11,800.00	11,782.65	11,650.00	11,469.83	41.43	41.67	-74.94	3.67	-886.89	1,077.17	996.86	80.31	13.412	
11,900.00	11,882.65	11,675.00	11,479.68	41.78	41.68	-73.68	26.45	-883.89	1,109.85	1,030.33	79.52	13.957	
12,000.00	11,982.65	11,700.00	11,488.31	42.14	41.67	-72.40	49.71	-880.83	1,149.75	1,071.22	78.53	14.641	
12,100.00	12,082.36	11,710.31	11,491.51	42.48	41.67	-67.26	59.43	-879.55	1,194.47	1,117.20	77.28	15.457	
12,200.00	12,178.84	11,725.00	11,495.70	42.80	41.67	-61.36	73.38	-877.71	1,238.24	1,162.28	75.96	16.302	
12,300.00	12,267.88	11,750.00	11,501.83	43.09	41.66	-55.95	97.41	-874.55	1,278.35	1,203.63	74.72	17.109	
12,400.00	12,345.60	11,784.45	11,508.18	43.32	41.65	-51.40	130.97	-870.13	1,312.78	1,239.17	73.62	17.832	
12,500.00	12,408.60	11,813.97	11,511.67	43.53	41.63	-48.16	160.03	-866.30	1,340.02	1,267.37	72.66	18.444	
12,600.00	12,454.13	11,850.00	11,513.47	43.71	41.62	-45.88	195.70	-861.61	1,358.82	1,286.87	71.95	18.885	
12,700.00	12,480.22	11,900.00	11,513.51	43.86	41.59	-44.59	245.31	-855.42	1,367.66	1,296.09	71.57	19.110	
12,800.00	12,491.65	11,976.63	11,513.51	44.02	41.58	-44.06	321.54	-847.61	1,368.17	1,296.66	71.51	19.134	
12,900.00	12,493.50	12,051.41	11,513.51	44.18	41.59	-43.93	396.11	-841.96	1,363.69	1,292.02	71.67	19.028	
13,000.00	12,493.50	12,126.50	11,513.50	44.39	41.66	-43.80	471.10	-838.24	1,359.71	1,287.75	71.96	18.895	
13,100.00	12,493.50	12,200.00	11,513.50	44.65	41.81	-43.73	544.58	-836.51	1,357.56	1,285.20	72.36	18.762	
13,168.46	12,493.50	12,253.35	11,513.50	44.86	41.96	-43.71	597.93	-836.43	1,357.13	1,284.44	72.70	18.668	
13,200.00	12,493.50	12,284.87	11,513.50	44.95	42.06	-43.71	629.44	-836.68	1,357.14	1,284.26	72.88	18.622	
13,300.00	12,493.50	12,384.87	11,513.50	45.30	42.41	-43.71	729.44	-837.46	1,357.14	1,283.64	73.49	18.466	
13,400.00	12,493.50	12,484.87	11,513.50	45.68	42.82	-43.71	829.44	-838.25	1,357.14	1,282.96	74.18	18.296	
13,500.00	12,493.50	12,584.87	11,513.50	46.11	43.28	-43.71	929.43	-839.04	1,357.14	1,282.22	74.92	18.114	
13,600.00	12,493.50	12,684.87	11,513.50	46.58	43.77	-43.71	1,029.43	-839.82	1,357.14	1,281.41	75.73	17.921	
13,700.00	12,493.50	12,784.87	11,513.50	47.09	44.31	-43.71	1,129.43	-840.61	1,357.14	1,280.55	76.59	17.719	
13,800.00	12,493.50	12,884.87	11,513.50	47.63	44.88	-43.71	1,229.42	-841.40	1,357.14	1,279.63	77.52	17.507	
13,900.00	12,493.50	12,984.87	11,513.50	48.22	45.49	-43.71	1,329.42	-842.18	1,357.15	1,278.65	78.50	17.289	
14,000.00	12,493.50	13,084.87	11,513.50	48.83	46.14	-43.71	1,429.42	-842.97	1,357.15	1,277.62	79.53	17.064	
14,100.00	12,493.50	13,184.87	11,513.50	49.49	46.82	-43.71	1,529.41	-843.76	1,357.15	1,276.53	80.62	16.835	
14,200.00	12,493.50	13,284.87	11,513.50	50.17	47.54	-43.71	1,629.41	-844.54	1,357.15	1,275.40	81.75	16.601	
14,300.00	12,493.50	13,384.87	11,513.50	50.89	48.28	-43.71	1,729.41	-845.33	1,357.15	1,274.22	82.93	16.365	
14,400.00	12,493.50	13,484.87	11,513.50	51.63	49.06	-43.71	1,829.40	-846.12	1,357.15	1,273.00	84.16	16.126	
14,500.00	12,493.50	13,584.87	11,513.50	52.41	49.87	-43.71	1,929.40	-846.90	1,357.16	1,271.73	85.43	15.886	
14,600.00	12,493.30	13,684.86	11,513.50	53.21	50.70	-43.72	2,029.40	-847.69	1,357.01	1,270.27	86.74	15.644	
14,700.00	12,492.48	13,784.86	11,513.50	54.04	51.56	-43.74	2,129.39	-848.48	1,356.42	1,268.31	88.11	15.394	
14,800.00	12,491.66	13,884.86	11,513.50	54.89	52.44	-43.77	2,229.38	-849.26	1,355.83	1,266.31	89.52	15.146	
14,900.00	12,490.84	13,984.85	11,513.50	55.77	53.35	-43.79	2,329.38	-850.05	1,355.24	1,264.28	90.96	14.899	
15,000.00	12,490.02	14,084.85	11,513.50	56.67	54.28	-43.81	2,429.37	-850.84	1,354.65	1,262.21	92.44	14.654	
15,100.00	12,488.99	14,184.85	11,513.50	57.60	55.23	-43.85	2,529.36	-851.62	1,353.91	1,259.95	93.96	14.409	
15,200.00	12,487.23	14,284.83	11,513.50	58.54	56.21	-43.90	2,629.34	-852.41	1,352.64	1,257.11	95.53	14.159	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 131H - OH - Plan 1 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,300.00	12,485.46	14,384.81	11,513.50	59.51	57.20	-43.95	2,729.33	-853.20	1,351.37	1,254.24	97.13	13.913	
15,400.00	12,483.69	14,484.80	11,513.50	60.50	58.21	-44.00	2,829.31	-853.98	1,350.10	1,251.34	98.76	13.671	
15,500.00	12,481.93	14,584.78	11,513.50	61.50	59.23	-44.06	2,929.29	-854.77	1,348.83	1,248.41	100.42	13.432	
15,600.00	12,480.16	14,684.77	11,513.50	62.52	60.28	-44.11	3,029.27	-855.56	1,347.56	1,245.46	102.10	13.198	
15,700.00	12,478.39	14,784.75	11,513.50	63.55	61.34	-44.16	3,129.25	-856.34	1,346.29	1,242.48	103.81	12.968	
15,800.00	12,476.63	14,884.74	11,513.50	64.61	62.41	-44.21	3,229.23	-857.13	1,345.03	1,239.48	105.55	12.743	
15,900.00	12,474.86	14,984.72	11,513.50	65.67	63.50	-44.27	3,329.21	-857.91	1,343.76	1,236.45	107.31	12.522	
16,000.00	12,473.10	15,084.70	11,513.50	66.75	64.60	-44.32	3,429.19	-858.70	1,342.50	1,233.40	109.10	12.305	
16,100.00	12,471.33	15,184.69	11,513.50	67.84	65.72	-44.37	3,529.18	-859.49	1,341.24	1,230.33	110.91	12.093	
16,200.00	12,469.56	15,284.67	11,513.50	68.95	66.85	-44.42	3,629.16	-860.27	1,339.98	1,227.24	112.73	11.886	
16,300.00	12,467.80	15,384.66	11,513.50	70.07	67.98	-44.48	3,729.14	-861.06	1,338.72	1,224.14	114.58	11.683	
16,400.00	12,466.03	15,484.64	11,513.50	71.20	69.13	-44.53	3,829.12	-861.85	1,337.46	1,221.01	116.45	11.485	
16,500.00	12,464.26	15,584.63	11,513.50	72.34	70.29	-44.58	3,929.10	-862.63	1,336.20	1,217.86	118.34	11.291	
16,600.00	12,462.50	15,684.61	11,513.50	73.49	71.47	-44.64	4,029.08	-863.42	1,334.95	1,214.70	120.25	11.102	
16,700.00	12,460.73	15,784.60	11,513.50	74.65	72.64	-44.69	4,129.06	-864.21	1,333.69	1,211.52	122.17	10.917	
16,800.00	12,458.96	15,884.58	11,513.50	75.82	73.83	-44.74	4,229.04	-864.99	1,332.44	1,208.33	124.11	10.736	
16,900.00	12,457.20	15,984.56	11,513.50	77.00	75.03	-44.80	4,329.03	-865.78	1,331.19	1,205.12	126.06	10.560	
17,000.00	12,455.43	16,084.55	11,513.50	78.18	76.24	-44.85	4,429.01	-866.57	1,329.93	1,201.90	128.04	10.387	
17,100.00	12,453.66	16,184.53	11,513.50	79.38	77.45	-44.90	4,528.99	-867.35	1,328.68	1,198.66	130.02	10.219	
17,200.00	12,451.90	16,284.52	11,513.50	80.58	78.67	-44.96	4,628.97	-868.14	1,327.43	1,195.41	132.02	10.055	
17,300.00	12,450.13	16,384.50	11,513.50	81.79	79.90	-45.01	4,728.95	-868.93	1,326.19	1,192.15	134.04	9.894	
17,400.00	12,448.36	16,484.49	11,513.50	83.01	81.13	-45.07	4,828.93	-869.71	1,324.94	1,188.87	136.07	9.737	
17,448.95	12,447.50	16,533.43	11,513.50	83.61	81.74	-45.09	4,877.87	-870.10	1,324.33	1,187.27	137.06	9.662 SF	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 132H - OH - Plan 1 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	134.57	-29.72	30.17	42.35				
100.00	100.00	100.00	100.00	0.13	0.13	134.57	-29.72	30.17	42.35	42.08	0.27	158.560	
200.00	200.00	200.00	200.00	0.49	0.49	134.57	-29.72	30.17	42.35	41.36	0.98	43.034	
300.00	300.00	300.00	300.00	0.85	0.85	134.57	-29.72	30.17	42.35	40.64	1.70	24.895	
400.00	400.00	400.00	400.00	1.21	1.21	134.57	-29.72	30.17	42.35	39.93	2.42	17.513	
500.00	500.00	500.00	500.00	1.57	1.57	134.57	-29.72	30.17	42.35	39.21	3.13	13.508	
600.00	600.00	600.00	600.00	1.93	1.93	134.57	-29.72	30.17	42.35	38.49	3.85	10.994	
700.00	700.00	700.00	700.00	2.28	2.28	134.57	-29.72	30.17	42.35	37.78	4.57	9.269	
800.00	800.00	800.00	800.00	2.64	2.64	134.57	-29.72	30.17	42.35	37.06	5.29	8.011	
900.00	900.00	900.00	900.00	3.00	3.00	134.57	-29.72	30.17	42.35	36.34	6.00	7.054	
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	134.57	-29.72	30.17	42.35	35.63	6.72	6.302	
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	134.57	-29.72	30.17	42.35	34.91	7.44	5.694 CC	
1,200.00	1,199.99	1,199.30	1,199.29	4.06	4.06	-23.98	-30.10	30.94	42.37	34.25	8.12	5.218	
1,300.00	1,299.96	1,298.57	1,298.53	4.39	4.40	-26.43	-31.26	33.24	42.50	33.72	8.78	4.841	
1,400.00	1,399.86	1,397.81	1,397.67	4.72	4.73	-30.46	-33.18	37.09	42.89	33.45	9.44	4.543 ES	
1,500.00	1,499.68	1,496.97	1,496.66	5.06	5.08	-35.93	-35.87	42.46	43.79	33.68	10.11	4.332	
1,600.00	1,599.37	1,596.05	1,595.43	5.40	5.42	-42.55	-39.33	49.35	45.51	34.72	10.78	4.221 SF	
1,700.00	1,698.90	1,695.02	1,693.95	5.75	5.77	-49.87	-43.54	57.77	48.36	36.90	11.46	4.221	
1,800.00	1,798.26	1,794.68	1,793.07	6.10	6.13	-57.63	-48.21	67.08	51.88	39.72	12.16	4.267	
1,900.00	1,897.40	1,894.31	1,892.15	6.47	6.49	-65.92	-52.87	76.38	55.51	42.63	12.88	4.310	
2,000.00	1,996.43	1,993.89	1,991.19	6.83	6.85	-73.87	-57.53	85.69	59.91	46.30	13.61	4.401	
2,100.00	2,095.46	2,093.47	2,090.22	7.20	7.22	-80.64	-62.20	94.99	65.31	50.95	14.35	4.550	
2,200.00	2,194.48	2,193.05	2,189.26	7.58	7.59	-86.31	-66.86	104.30	71.47	56.37	15.10	4.732	
2,300.00	2,293.51	2,292.64	2,288.29	7.96	7.95	-91.05	-71.52	113.60	78.22	62.36	15.85	4.933	
2,400.00	2,392.54	2,392.22	2,387.33	8.34	8.32	-95.01	-76.18	122.90	85.41	68.81	16.61	5.143	
2,500.00	2,491.57	2,491.80	2,486.36	8.72	8.70	-98.35	-80.84	132.21	92.96	75.59	17.37	5.353	
2,600.00	2,590.59	2,591.38	2,585.40	9.11	9.07	-101.18	-85.51	141.51	100.76	82.64	18.12	5.560	
2,700.00	2,689.62	2,690.96	2,684.44	9.50	9.44	-103.60	-90.17	150.81	108.78	89.90	18.88	5.761	
2,800.00	2,788.65	2,790.54	2,783.47	9.89	9.82	-105.68	-94.83	160.12	116.96	97.32	19.64	5.954	
2,900.00	2,887.67	2,890.12	2,882.51	10.28	10.19	-107.49	-99.49	169.42	125.28	104.88	20.41	6.140	
3,000.00	2,986.70	2,989.70	2,981.54	10.67	10.57	-109.08	-104.15	178.73	133.71	112.54	21.17	6.317	
3,100.00	3,085.73	3,089.28	3,080.58	11.07	10.95	-110.47	-108.81	188.03	142.22	120.29	21.93	6.485	
3,200.00	3,184.79	3,188.87	3,179.62	11.46	11.33	-111.67	-113.48	197.33	150.73	128.04	22.69	6.642	
3,300.00	3,284.04	3,288.54	3,278.75	11.85	11.70	-112.27	-118.14	206.65	158.71	135.26	23.45	6.767	
3,400.00	3,383.49	3,388.27	3,377.93	12.23	12.08	-112.25	-122.81	215.96	166.04	141.83	24.21	6.858	
3,500.00	3,483.11	3,488.03	3,477.15	12.61	12.46	-111.70	-127.48	225.28	172.71	147.75	24.96	6.919	
3,600.00	3,582.87	3,587.79	3,576.36	12.98	12.84	-110.66	-132.15	234.61	178.79	153.08	25.71	6.954	
3,700.00	3,682.73	3,687.52	3,675.54	13.34	13.22	-109.19	-136.82	243.92	184.35	157.90	26.45	6.970	
3,800.00	3,782.67	3,787.18	3,774.66	13.70	13.60	-107.30	-141.49	253.23	189.50	162.32	27.18	6.971	
3,900.00	3,882.65	3,886.75	3,873.68	14.04	13.98	-105.02	-146.15	262.54	194.41	166.50	27.91	6.966	
4,000.00	3,982.65	3,986.22	3,972.61	14.37	14.36	55.32	-150.80	271.83	199.29	170.68	28.61	6.966	
4,100.00	4,082.65	4,085.67	4,071.52	14.70	14.74	57.87	-155.46	281.12	204.53	175.23	29.30	6.980	
4,200.00	4,182.65	4,185.13	4,170.42	15.03	15.12	60.30	-160.12	290.41	210.17	180.17	30.00	7.006	
4,300.00	4,282.65	4,284.58	4,269.33	15.35	15.51	62.60	-164.77	299.71	216.16	185.47	30.69	7.044	
4,400.00	4,382.65	4,384.03	4,368.24	15.68	15.89	64.77	-169.43	309.00	222.48	191.11	31.38	7.091	
4,500.00	4,482.65	4,483.48	4,467.15	16.01	16.27	66.82	-174.08	318.29	229.11	197.04	32.06	7.145	
4,600.00	4,582.65	4,582.94	4,566.06	16.35	16.65	68.75	-178.74	327.58	236.01	203.26	32.75	7.206	
4,700.00	4,682.65	4,682.39	4,664.96	16.68	17.03	70.57	-183.40	336.87	243.16	209.72	33.44	7.272	
4,800.00	4,782.65	4,781.84	4,763.87	17.01	17.41	72.29	-188.05	346.16	250.55	216.42	34.13	7.341	
4,900.00	4,882.65	4,881.29	4,862.78	17.35	17.79	73.90	-192.71	355.46	258.15	223.33	34.82	7.415	
5,000.00	4,982.65	4,980.75	4,961.69	17.68	18.18	75.43	-197.36	364.75	265.94	230.44	35.50	7.490	
5,100.00	5,082.65	5,080.20	5,060.60	18.02	18.56	76.86	-202.02	374.04	273.91	237.71	36.19	7.568	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 132H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,182.65	5,179.65	5,159.50	18.36	18.94	78.22	-206.67	383.33	282.04	245.16	36.88	7.647	
5,300.00	5,282.65	5,279.10	5,258.41	18.70	19.32	79.50	-211.33	392.62	290.32	252.74	37.57	7.727	
5,400.00	5,382.65	5,378.56	5,357.32	19.04	19.71	80.70	-215.99	401.92	298.74	260.47	38.27	7.807	
5,500.00	5,482.65	5,478.01	5,456.23	19.38	20.09	81.85	-220.64	411.21	307.28	268.32	38.96	7.887	
5,600.00	5,582.65	5,577.46	5,555.14	19.72	20.47	82.92	-225.30	420.50	315.93	276.28	39.65	7.968	
5,700.00	5,682.65	5,676.91	5,654.04	20.06	20.85	83.95	-229.95	429.79	324.69	284.35	40.35	8.048	
5,800.00	5,782.65	5,776.37	5,752.95	20.40	21.24	84.91	-234.61	439.08	333.55	292.51	41.04	8.127	
5,900.00	5,882.65	5,875.82	5,851.86	20.74	21.62	85.83	-239.26	448.37	342.50	300.76	41.74	8.206	
6,000.00	5,982.65	5,975.27	5,950.77	21.08	22.00	86.70	-243.92	457.67	351.53	309.10	42.43	8.284	
6,100.00	6,082.65	6,076.68	6,051.63	21.43	22.39	87.54	-248.62	467.04	360.55	317.40	43.15	8.356	
6,200.00	6,182.65	6,182.18	6,156.71	21.77	22.79	88.25	-252.83	475.45	368.37	324.49	43.89	8.394	
6,300.00	6,282.65	6,287.98	6,262.25	22.12	23.18	88.79	-256.19	482.15	374.62	330.01	44.62	8.397	
6,400.00	6,382.65	6,394.03	6,368.15	22.46	23.57	89.18	-258.67	487.11	379.26	333.92	45.34	8.365	
6,500.00	6,482.65	6,500.25	6,474.30	22.81	23.95	89.43	-260.28	490.32	382.26	336.22	46.05	8.301	
6,600.00	6,582.65	6,606.56	6,580.60	23.15	24.32	89.54	-261.01	491.77	383.63	336.88	46.75	8.206	
6,700.00	6,682.65	6,708.61	6,682.65	23.50	24.65	89.55	-261.06	491.87	383.71	336.28	47.43	8.091	
6,800.00	6,782.65	6,808.61	6,782.65	23.84	24.98	89.55	-261.06	491.87	383.71	335.61	48.11	7.976	
6,900.00	6,882.65	6,908.61	6,882.65	24.19	25.30	89.55	-261.06	491.87	383.71	334.93	48.79	7.865	
7,000.00	6,982.65	7,008.61	6,982.65	24.54	25.63	89.55	-261.06	491.87	383.71	334.25	49.47	7.757	
7,100.00	7,082.65	7,108.61	7,082.65	24.88	25.96	89.55	-261.06	491.87	383.71	333.56	50.15	7.652	
7,200.00	7,182.65	7,208.61	7,182.65	25.23	26.29	89.55	-261.06	491.87	383.71	332.88	50.83	7.549	
7,300.00	7,282.65	7,308.61	7,282.65	25.58	26.62	89.55	-261.06	491.87	383.71	332.20	51.51	7.449	
7,400.00	7,382.65	7,408.61	7,382.65	25.93	26.95	89.55	-261.06	491.87	383.71	331.51	52.20	7.351	
7,500.00	7,482.65	7,508.61	7,482.65	26.28	27.28	89.55	-261.06	491.87	383.71	330.83	52.88	7.256	
7,600.00	7,582.65	7,608.61	7,582.65	26.63	27.61	89.55	-261.06	491.87	383.71	330.14	53.57	7.163	
7,700.00	7,682.65	7,708.61	7,682.65	26.97	27.94	89.55	-261.06	491.87	383.71	329.46	54.26	7.072	
7,800.00	7,782.65	7,808.61	7,782.65	27.32	28.28	89.55	-261.06	491.87	383.71	328.77	54.94	6.984	
7,900.00	7,882.65	7,908.61	7,882.65	27.67	28.61	89.55	-261.06	491.87	383.71	328.08	55.63	6.897	
8,000.00	7,982.65	8,008.61	7,982.65	28.02	28.95	89.55	-261.06	491.87	383.71	327.39	56.32	6.813	
8,100.00	8,082.65	8,108.61	8,082.65	28.37	29.28	89.55	-261.06	491.87	383.71	326.70	57.01	6.730	
8,200.00	8,182.65	8,208.61	8,182.65	28.72	29.62	89.55	-261.06	491.87	383.71	326.01	57.70	6.650	
8,300.00	8,282.65	8,308.61	8,282.65	29.07	29.95	89.55	-261.06	491.87	383.71	325.32	58.39	6.571	
8,400.00	8,382.65	8,408.61	8,382.65	29.42	30.29	89.55	-261.06	491.87	383.71	324.63	59.08	6.494	
8,500.00	8,482.65	8,508.61	8,482.65	29.78	30.63	89.55	-261.06	491.87	383.71	323.94	59.78	6.419	
8,600.00	8,582.65	8,608.61	8,582.65	30.13	30.96	89.55	-261.06	491.87	383.71	323.24	60.47	6.346	
8,700.00	8,682.65	8,708.61	8,682.65	30.48	31.30	89.55	-261.06	491.87	383.71	322.55	61.16	6.274	
8,800.00	8,782.65	8,808.61	8,782.65	30.83	31.64	89.55	-261.06	491.87	383.71	321.85	61.86	6.203	
8,900.00	8,882.65	8,908.61	8,882.65	31.18	31.98	89.55	-261.06	491.87	383.71	321.16	62.55	6.134	
9,000.00	8,982.65	9,008.61	8,982.65	31.53	32.32	89.55	-261.06	491.87	383.71	320.47	63.25	6.067	
9,100.00	9,082.65	9,108.61	9,082.65	31.88	32.66	89.55	-261.06	491.87	383.71	319.77	63.94	6.001	
9,200.00	9,182.65	9,208.61	9,182.65	32.24	33.00	89.55	-261.06	491.87	383.71	319.07	64.64	5.936	
9,300.00	9,282.65	9,308.61	9,282.65	32.59	33.34	89.55	-261.06	491.87	383.71	318.38	65.33	5.873	
9,400.00	9,382.65	9,408.61	9,382.65	32.94	33.68	89.55	-261.06	491.87	383.71	317.68	66.03	5.811	
9,500.00	9,482.65	9,508.61	9,482.65	33.29	34.02	89.55	-261.06	491.87	383.71	316.98	66.73	5.750	
9,600.00	9,582.65	9,608.61	9,582.65	33.64	34.36	89.55	-261.06	491.87	383.71	316.29	67.43	5.691	
9,700.00	9,682.65	9,708.61	9,682.65	34.00	34.71	89.55	-261.06	491.87	383.71	315.59	68.12	5.633	
9,800.00	9,782.65	9,808.61	9,782.65	34.35	35.05	89.55	-261.06	491.87	383.71	314.89	68.82	5.575	
9,900.00	9,882.65	9,908.61	9,882.65	34.70	35.39	89.55	-261.06	491.87	383.71	314.19	69.52	5.519	
10,000.00	9,982.65	10,008.61	9,982.65	35.06	35.73	89.55	-261.06	491.87	383.71	313.49	70.22	5.464	
10,100.00	10,082.65	10,108.61	10,082.65	35.41	36.08	89.55	-261.06	491.87	383.71	312.79	70.92	5.411	
10,200.00	10,182.65	10,208.61	10,182.65	35.76	36.42	89.55	-261.06	491.87	383.71	312.09	71.62	5.358	
10,300.00	10,282.65	10,308.61	10,282.65	36.12	36.76	89.55	-261.06	491.87	383.71	311.39	72.32	5.306	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 132H - OH - Plan 1 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	10,382.65	10,408.61	10,382.65	36.47	37.11	89.55	-261.06	491.87	383.71	310.69	73.02	5.255	
10,500.00	10,482.65	10,508.61	10,482.65	36.82	37.45	89.55	-261.06	491.87	383.71	309.99	73.72	5.205	
10,600.00	10,582.65	10,608.61	10,582.65	37.18	37.80	89.55	-261.06	491.87	383.71	309.29	74.42	5.156	
10,700.00	10,682.65	10,708.61	10,682.65	37.53	38.14	89.55	-261.06	491.87	383.71	308.59	75.12	5.108	
10,800.00	10,782.65	10,808.61	10,782.65	37.88	38.49	89.55	-261.06	491.87	383.71	307.89	75.82	5.060	
10,900.00	10,882.65	10,908.61	10,882.65	38.24	38.83	89.55	-261.06	491.87	383.71	307.18	76.53	5.014	
11,000.00	10,982.65	11,008.61	10,982.65	38.59	39.18	89.55	-261.06	491.87	383.71	306.48	77.23	4.968	
11,068.61	11,051.26	11,077.22	11,051.26	38.83	39.42	89.51	-260.78	491.86	383.71	306.00	77.71	4.938	
11,100.00	11,082.65	11,108.48	11,082.44	38.95	39.52	89.20	-258.70	491.85	383.72	305.78	77.93	4.924	
11,200.00	11,182.65	11,204.24	11,176.14	39.30	39.83	86.37	-239.73	491.68	384.34	305.70	78.65	4.887	
11,300.00	11,282.65	11,289.54	11,254.95	39.65	40.07	81.59	-207.40	491.41	388.40	309.14	79.25	4.901	
11,400.00	11,382.65	11,361.60	11,316.17	40.01	40.24	76.13	-169.52	491.08	399.98	320.61	79.37	5.039	
11,500.00	11,482.65	11,420.73	11,361.69	40.36	40.36	70.93	-131.83	490.76	422.49	343.91	78.58	5.377	
11,600.00	11,582.65	11,468.76	11,395.01	40.72	40.43	66.43	-97.27	490.46	457.36	380.57	76.79	5.956	
11,700.00	11,682.65	11,507.79	11,419.42	41.07	40.48	62.69	-66.83	490.20	504.13	429.80	74.32	6.783	
11,800.00	11,782.65	11,539.75	11,437.50	41.43	40.52	59.65	-40.49	489.98	561.15	489.52	71.63	7.834	
11,900.00	11,882.65	11,566.17	11,451.10	41.78	40.54	57.17	-17.83	489.78	626.50	557.45	69.05	9.073	
12,000.00	11,982.65	11,588.26	11,461.48	42.14	40.55	55.14	1.65	489.61	698.38	631.61	66.76	10.460	
12,100.00	12,082.36	11,609.03	11,470.42	42.48	40.57	46.28	20.40	489.45	773.04	708.25	64.79	11.931	
12,200.00	12,178.84	11,633.52	11,479.89	42.80	40.58	37.28	42.98	489.26	842.60	779.57	63.03	13.368	
12,300.00	12,267.88	11,660.93	11,489.11	43.09	40.59	31.11	68.79	489.04	904.30	842.82	61.48	14.709	
12,400.00	12,345.80	11,690.43	11,497.36	43.32	40.59	26.97	97.11	488.80	956.33	896.16	60.17	15.895	
12,500.00	12,408.60	11,725.00	11,504.78	43.53	40.60	24.21	130.86	488.51	997.35	938.17	59.18	16.853	
12,600.00	12,454.13	11,750.00	11,508.61	43.71	40.60	22.58	155.56	488.30	1,026.35	967.94	58.41	17.570	
12,700.00	12,480.22	11,786.06	11,511.85	43.86	40.62	21.70	191.47	487.99	1,042.74	984.60	58.14	17.934	
12,800.00	12,491.65	11,834.76	11,512.50	44.02	40.70	21.42	240.15	487.57	1,051.52	993.29	58.23	18.058	
12,900.00	12,493.50	11,934.72	11,512.50	44.18	40.90	21.34	340.11	486.72	1,053.22	994.71	58.50	18.002	
13,000.00	12,493.50	12,034.72	11,512.50	44.39	41.16	21.34	440.11	485.86	1,053.19	994.34	58.85	17.897	
13,100.00	12,493.50	12,134.72	11,512.50	44.65	41.46	21.33	540.10	485.00	1,053.16	993.92	59.24	17.778	
13,200.00	12,493.50	12,234.72	11,512.50	44.95	41.80	21.33	640.10	484.15	1,053.14	993.45	59.69	17.645	
13,300.00	12,493.50	12,334.72	11,512.50	45.30	42.19	21.33	740.10	483.29	1,053.11	992.93	60.18	17.499	
13,400.00	12,493.50	12,434.72	11,512.50	45.68	42.62	21.32	840.09	482.43	1,053.09	992.36	60.73	17.341	
13,500.00	12,493.50	12,534.72	11,512.50	46.11	43.09	21.32	940.09	481.58	1,053.06	991.74	61.32	17.173	
13,600.00	12,493.50	12,634.72	11,512.50	46.58	43.60	21.32	1,040.09	480.72	1,053.03	991.07	61.96	16.995	
13,700.00	12,493.50	12,734.72	11,512.50	47.09	44.16	21.31	1,140.08	479.86	1,053.01	990.36	62.64	16.809	
13,800.00	12,493.50	12,834.72	11,512.50	47.63	44.75	21.31	1,240.08	479.01	1,052.98	989.61	63.37	16.616	
13,900.00	12,493.50	12,934.72	11,512.50	48.22	45.38	21.30	1,340.07	478.15	1,052.96	988.81	64.14	16.416	
14,000.00	12,493.50	13,034.72	11,512.50	48.83	46.04	21.30	1,440.07	477.29	1,052.93	987.98	64.95	16.211	
14,100.00	12,493.50	13,134.72	11,512.50	49.49	46.74	21.30	1,540.07	476.44	1,052.90	987.10	65.80	16.001	
14,200.00	12,493.50	13,234.72	11,512.50	50.17	47.47	21.29	1,640.06	475.58	1,052.88	986.19	66.69	15.788	
14,300.00	12,493.50	13,334.72	11,512.50	50.89	48.24	21.29	1,740.06	474.72	1,052.85	985.24	67.61	15.572	
14,400.00	12,493.50	13,434.72	11,512.50	51.63	49.03	21.29	1,840.06	473.87	1,052.82	984.26	68.57	15.354	
14,500.00	12,493.50	13,534.72	11,512.50	52.41	49.85	21.28	1,940.05	473.01	1,052.80	983.24	69.56	15.136	
14,600.00	12,493.30	13,634.72	11,512.50	53.21	50.70	21.28	2,040.05	472.15	1,052.59	982.01	70.58	14.913	
14,700.00	12,492.48	13,734.72	11,512.50	54.04	51.57	21.30	2,140.04	471.30	1,051.80	980.15	71.64	14.681	
14,800.00	12,491.66	13,834.71	11,512.50	54.89	52.47	21.31	2,240.03	470.44	1,051.01	978.27	72.74	14.450	
14,900.00	12,490.84	13,934.71	11,512.50	55.77	53.40	21.32	2,340.03	469.58	1,050.22	976.36	73.85	14.220	
15,000.00	12,490.02	14,034.71	11,512.50	56.67	54.34	21.33	2,440.02	468.73	1,049.43	974.43	75.00	13.992	
15,100.00	12,488.99	14,134.70	11,512.50	57.60	55.31	21.35	2,540.01	467.87	1,048.44	972.27	76.18	13.763	
15,200.00	12,487.23	14,234.68	11,512.50	58.54	56.29	21.38	2,639.99	467.02	1,046.77	969.39	77.38	13.527	
15,300.00	12,485.46	14,334.67	11,512.50	59.51	57.30	21.42	2,739.97	466.16	1,045.10	966.48	78.62	13.293	
15,400.00	12,483.69	14,434.65	11,512.50	60.50	58.32	21.45	2,839.95	465.30	1,043.43	963.56	79.87	13.063	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 132H - OH - Plan 1 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	12,481.93	14,534.64	11,512.50	61.50	59.36	21.48	2,939.93	464.45	1,041.76	960.61	81.15	12.837	
15,600.00	12,480.16	14,634.62	11,512.50	62.52	60.41	21.51	3,039.91	463.59	1,040.09	957.64	82.45	12.614	
15,700.00	12,478.39	14,734.61	11,512.50	63.55	61.49	21.54	3,139.89	462.73	1,038.42	954.65	83.77	12.396	
15,800.00	12,476.63	14,834.59	11,512.50	64.61	62.57	21.58	3,239.88	461.88	1,036.75	951.64	85.11	12.181	
15,900.00	12,474.86	14,934.58	11,512.50	65.67	63.67	21.61	3,339.86	461.02	1,035.08	948.61	86.47	11.970	
16,000.00	12,473.10	15,034.56	11,512.50	66.75	64.78	21.64	3,439.84	460.16	1,033.41	945.57	87.85	11.764	
16,100.00	12,471.33	15,134.54	11,512.50	67.84	65.91	21.67	3,539.82	459.31	1,031.75	942.50	89.24	11.561	
16,200.00	12,469.56	15,234.53	11,512.50	68.95	67.05	21.71	3,639.80	458.45	1,030.08	939.43	90.65	11.363	
16,300.00	12,467.80	15,334.51	11,512.50	70.07	68.20	21.74	3,739.78	457.59	1,028.41	936.33	92.08	11.169	
16,400.00	12,466.03	15,434.50	11,512.50	71.20	69.35	21.77	3,839.76	456.74	1,026.74	933.23	93.52	10.979	
16,500.00	12,464.26	15,534.48	11,512.50	72.34	70.52	21.80	3,939.74	455.88	1,025.08	930.10	94.97	10.793	
16,600.00	12,462.50	15,634.47	11,512.50	73.49	71.70	21.84	4,039.72	455.03	1,023.41	926.97	96.44	10.612	
16,700.00	12,460.73	15,734.45	11,512.50	74.65	72.89	21.87	4,139.70	454.17	1,021.74	923.82	97.92	10.434	
16,800.00	12,458.96	15,834.43	11,512.50	75.82	74.09	21.90	4,239.68	453.31	1,020.08	920.66	99.42	10.260	
16,900.00	12,457.20	15,934.42	11,512.50	77.00	75.29	21.94	4,339.66	452.46	1,018.41	917.48	100.93	10.091	
17,000.00	12,455.43	16,034.40	11,512.50	78.18	76.51	21.97	4,439.64	451.60	1,016.75	914.30	102.45	9.925	
17,100.00	12,453.66	16,134.39	11,512.50	79.38	77.73	22.00	4,539.62	450.74	1,015.08	911.10	103.98	9.763	
17,200.00	12,451.90	16,234.37	11,512.50	80.58	78.96	22.04	4,639.61	449.89	1,013.42	907.90	105.52	9.604	
17,300.00	12,450.13	16,334.36	11,512.50	81.79	80.19	22.07	4,739.59	449.03	1,011.75	904.68	107.07	9.449	
17,400.00	12,448.36	16,434.34	11,512.50	83.01	81.43	22.10	4,839.57	448.17	1,010.09	901.45	108.64	9.298	
17,448.95	12,447.50	16,483.28	11,512.50	83.61	82.04	22.12	4,888.51	447.75	1,009.27	899.87	109.40	9.225	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 201H - OH - Plan 2 12-10-18 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-90.15	-0.08	-30.00	30.00				
100.00	100.00	100.00	100.00	0.13	0.13	-90.15	-0.08	-30.00	30.00	29.73	0.27	112.339	
200.00	200.00	200.00	200.00	0.49	0.49	-90.15	-0.08	-30.00	30.00	29.02	0.98	30.489	
300.00	300.00	300.00	300.00	0.85	0.85	-90.15	-0.08	-30.00	30.00	28.30	1.70	17.638	
400.00	400.00	400.00	400.00	1.21	1.21	-90.15	-0.08	-30.00	30.00	27.58	2.42	12.408	
500.00	500.00	500.00	500.00	1.57	1.57	-90.15	-0.08	-30.00	30.00	26.87	3.13	9.570	
600.00	600.00	600.00	600.00	1.93	1.93	-90.15	-0.08	-30.00	30.00	26.15	3.85	7.789	
700.00	700.00	700.00	700.00	2.28	2.28	-90.15	-0.08	-30.00	30.00	25.43	4.57	6.567	
800.00	800.00	800.00	800.00	2.64	2.64	-90.15	-0.08	-30.00	30.00	24.72	5.29	5.676	
900.00	900.00	900.00	900.00	3.00	3.00	-90.15	-0.08	-30.00	30.00	24.00	6.00	4.998	
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-90.15	-0.08	-30.00	30.00	23.28	6.72	4.465	
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-90.15	-0.08	-30.00	30.00	22.57	7.44	4.034	CC, ES
1,200.00	1,199.99	1,199.51	1,199.51	4.06	4.06	112.94	-0.44	-30.79	31.13	23.00	8.12	3.833	SF
1,300.00	1,299.96	1,298.93	1,298.89	4.39	4.40	115.07	-1.50	-33.15	34.53	25.75	8.78	3.932	
1,400.00	1,399.86	1,398.18	1,398.05	4.72	4.74	117.81	-3.28	-37.07	40.28	30.84	9.45	4.264	
1,500.00	1,499.68	1,497.17	1,496.85	5.06	5.08	120.53	-5.75	-42.54	48.44	38.32	10.12	4.787	
1,600.00	1,599.37	1,595.82	1,595.20	5.40	5.42	122.90	-8.92	-49.53	59.03	48.24	10.80	5.468	
1,700.00	1,698.90	1,694.04	1,692.97	5.75	5.77	124.83	-12.76	-58.03	72.04	60.57	11.48	6.278	
1,800.00	1,798.26	1,791.75	1,790.07	6.10	6.12	126.34	-17.27	-68.00	87.46	75.30	12.16	7.193	
1,900.00	1,897.40	1,888.87	1,886.38	6.47	6.48	127.51	-22.43	-79.40	105.26	92.41	12.85	8.193	
2,000.00	1,996.43	1,986.84	1,983.40	6.83	6.84	128.46	-28.05	-91.82	124.39	110.84	13.56	9.176	
2,100.00	2,095.46	2,084.97	2,080.58	7.20	7.21	129.16	-33.68	-104.26	143.56	129.29	14.27	10.058	
2,200.00	2,194.48	2,183.11	2,177.75	7.58	7.58	129.69	-39.32	-116.71	162.74	147.75	14.99	10.854	
2,300.00	2,293.51	2,281.24	2,274.93	7.96	7.96	130.11	-44.95	-129.15	181.94	166.22	15.72	11.573	
2,400.00	2,392.54	2,379.37	2,372.11	8.34	8.33	130.45	-50.58	-141.60	201.14	184.69	16.45	12.227	
2,500.00	2,491.57	2,477.51	2,469.29	8.72	8.71	130.73	-56.21	-154.05	220.34	203.16	17.18	12.822	
2,600.00	2,590.59	2,575.64	2,566.46	9.11	9.09	130.97	-61.84	-166.49	239.55	221.63	17.92	13.366	
2,700.00	2,689.62	2,673.77	2,663.64	9.50	9.48	131.17	-67.48	-178.94	258.77	240.11	18.66	13.866	
2,800.00	2,788.65	2,771.91	2,760.82	9.89	9.86	131.34	-73.11	-191.39	277.99	258.58	19.40	14.326	
2,900.00	2,887.67	2,870.04	2,858.00	10.28	10.25	131.49	-78.74	-203.83	297.20	277.06	20.15	14.750	
3,000.00	2,986.70	2,968.17	2,955.17	10.67	10.63	131.63	-84.37	-216.28	316.42	295.53	20.90	15.143	
3,100.00	3,085.73	3,066.30	3,052.35	11.07	11.02	131.74	-90.00	-228.72	335.65	314.00	21.64	15.507	
3,200.00	3,184.79	3,164.47	3,149.56	11.46	11.41	131.89	-95.64	-241.17	354.72	332.33	22.39	15.840	
3,300.00	3,284.04	3,262.82	3,246.95	11.85	11.80	131.92	-101.28	-253.65	372.80	349.66	23.14	16.109	
3,400.00	3,383.49	3,361.35	3,344.53	12.23	12.19	131.76	-106.94	-266.14	389.73	365.84	23.89	16.316	
3,500.00	3,483.11	3,460.05	3,442.26	12.61	12.58	131.42	-112.60	-278.66	405.53	380.90	24.63	16.466	
3,600.00	3,582.87	3,558.87	3,540.12	12.98	12.98	130.93	-118.27	-291.19	420.23	394.86	25.37	16.566	
3,700.00	3,682.73	3,657.78	3,638.07	13.34	13.37	130.29	-123.95	-303.74	433.85	407.74	26.10	16.622	
3,800.00	3,782.67	3,756.76	3,736.09	13.70	13.77	129.53	-129.63	-316.29	446.43	419.60	26.83	16.639	
3,900.00	3,882.65	3,855.78	3,834.14	14.04	14.16	128.63	-135.31	-328.85	458.03	430.48	27.55	16.623	
4,000.00	3,982.65	3,954.81	3,932.21	14.37	14.56	-74.69	-141.00	-341.41	468.84	440.58	28.26	16.591	
4,100.00	4,082.65	4,053.84	4,030.27	14.70	14.96	-75.75	-146.68	-353.97	479.68	450.72	28.96	16.564	
4,200.00	4,182.65	4,152.86	4,128.33	15.03	15.36	-76.76	-152.36	-366.53	490.68	461.02	29.66	16.544	
4,300.00	4,282.65	4,251.89	4,226.39	15.35	15.75	-77.72	-158.05	-379.09	501.82	471.46	30.36	16.529	
4,400.00	4,382.65	4,350.92	4,324.45	15.68	16.15	-78.65	-163.73	-391.65	513.10	482.04	31.06	16.519	
4,500.00	4,482.65	4,449.94	4,422.52	16.01	16.55	-79.53	-169.41	-404.21	524.50	492.74	31.76	16.513	
4,600.00	4,582.65	4,548.97	4,520.58	16.35	16.95	-80.38	-175.10	-416.77	536.03	503.56	32.47	16.511	
4,700.00	4,682.65	4,647.99	4,618.64	16.68	17.35	-81.19	-180.78	-429.33	547.66	514.49	33.17	16.512	
4,800.00	4,782.65	4,747.02	4,716.70	17.01	17.75	-81.97	-186.46	-441.89	559.40	525.53	33.87	16.516	
4,900.00	4,882.65	4,846.05	4,814.76	17.35	18.15	-82.72	-192.15	-454.45	571.24	536.66	34.57	16.522	
5,000.00	4,982.65	4,945.07	4,912.83	17.68	18.55	-83.43	-197.83	-467.01	583.17	547.89	35.28	16.531	
5,100.00	5,082.65	5,044.10	5,010.89	18.02	18.95	-84.12	-203.51	-479.57	595.18	559.20	35.98	16.541	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 201H - OH - Plan 2 12-10-18 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,182.65	5,143.13	5,108.95	18.36	19.35	-84.78	-209.20	-492.12	607.28	570.59	36.69	16.553	
5,300.00	5,282.65	5,242.15	5,207.01	18.70	19.75	-85.41	-214.88	-504.68	619.46	582.06	37.39	16.566	
5,400.00	5,382.65	5,341.18	5,305.07	19.04	20.15	-86.02	-220.56	-517.24	631.70	593.60	38.10	16.581	
5,500.00	5,482.65	5,440.20	5,403.14	19.38	20.55	-86.61	-226.25	-529.80	644.02	605.21	38.80	16.597	
5,600.00	5,582.65	5,539.23	5,501.20	19.72	20.95	-87.17	-231.93	-542.36	656.39	616.88	39.51	16.613	
5,700.00	5,682.65	5,638.26	5,599.26	20.06	21.35	-87.72	-237.61	-554.92	668.83	628.62	40.22	16.631	
5,800.00	5,782.65	5,737.28	5,697.32	20.40	21.76	-88.24	-243.30	-567.48	681.33	640.41	40.92	16.649	
5,900.00	5,882.65	5,841.02	5,800.07	20.74	22.17	-88.76	-249.19	-580.49	693.75	652.08	41.67	16.649	
6,000.00	5,982.65	5,952.60	5,910.81	21.08	22.62	-89.24	-254.80	-592.90	704.80	662.34	42.47	16.597	
6,100.00	6,082.65	6,064.67	6,022.29	21.43	23.05	-89.64	-259.55	-603.39	714.13	670.88	43.25	16.511	
6,200.00	6,182.65	6,177.15	6,134.38	21.77	23.47	-89.95	-263.41	-611.92	721.70	677.67	44.02	16.393	
6,300.00	6,282.65	6,289.96	6,246.96	22.12	23.88	-90.18	-266.36	-618.45	727.50	682.71	44.78	16.245	
6,400.00	6,382.65	6,403.01	6,359.90	22.46	24.28	-90.34	-268.41	-622.97	731.51	685.98	45.53	16.067	
6,500.00	6,482.65	6,516.21	6,473.06	22.81	24.67	-90.43	-269.54	-625.47	733.72	687.46	46.26	15.861	
6,600.00	6,582.65	6,625.80	6,582.65	23.15	25.03	-90.45	-269.78	-626.00	734.19	687.23	46.96	15.636	
6,700.00	6,682.65	6,725.80	6,682.65	23.50	25.34	-90.45	-269.78	-626.00	734.19	686.56	47.63	15.415	
6,800.00	6,782.65	6,825.80	6,782.65	23.84	25.66	-90.45	-269.78	-626.00	734.19	685.88	48.31	15.199	
6,900.00	6,882.65	6,925.80	6,882.65	24.19	25.98	-90.45	-269.78	-626.00	734.19	685.21	48.98	14.989	
7,000.00	6,982.65	7,025.80	6,982.65	24.54	26.30	-90.45	-269.78	-626.00	734.19	684.53	49.66	14.784	
7,100.00	7,082.65	7,125.80	7,082.65	24.88	26.62	-90.45	-269.78	-626.00	734.19	683.85	50.34	14.585	
7,200.00	7,182.65	7,225.80	7,182.65	25.23	26.94	-90.45	-269.78	-626.00	734.19	683.17	51.02	14.391	
7,300.00	7,282.65	7,325.80	7,282.65	25.58	27.27	-90.45	-269.78	-626.00	734.19	682.49	51.70	14.201	
7,400.00	7,382.65	7,425.80	7,382.65	25.93	27.59	-90.45	-269.78	-626.00	734.19	681.81	52.38	14.016	
7,500.00	7,482.65	7,525.80	7,482.65	26.28	27.91	-90.45	-269.78	-626.00	734.19	681.12	53.06	13.836	
7,600.00	7,582.65	7,625.80	7,582.65	26.63	28.24	-90.45	-269.78	-626.00	734.19	680.44	53.75	13.660	
7,700.00	7,682.65	7,725.80	7,682.65	26.97	28.57	-90.45	-269.78	-626.00	734.19	679.76	54.43	13.488	
7,800.00	7,782.65	7,825.80	7,782.65	27.32	28.89	-90.45	-269.78	-626.00	734.19	679.07	55.12	13.320	
7,900.00	7,882.65	7,925.80	7,882.65	27.67	29.22	-90.45	-269.78	-626.00	734.19	678.38	55.80	13.157	
8,000.00	7,982.65	8,025.80	7,982.65	28.02	29.55	-90.45	-269.78	-626.00	734.19	677.70	56.49	12.997	
8,100.00	8,082.65	8,125.80	8,082.65	28.37	29.88	-90.45	-269.78	-626.00	734.19	677.01	57.18	12.840	
8,200.00	8,182.65	8,225.80	8,182.65	28.72	30.21	-90.45	-269.78	-626.00	734.19	676.32	57.87	12.688	
8,300.00	8,282.65	8,325.80	8,282.65	29.07	30.54	-90.45	-269.78	-626.00	734.19	675.63	58.56	12.538	
8,400.00	8,382.65	8,425.80	8,382.65	29.42	30.87	-90.45	-269.78	-626.00	734.19	674.94	59.25	12.392	
8,500.00	8,482.65	8,525.80	8,482.65	29.78	31.20	-90.45	-269.78	-626.00	734.19	674.25	59.94	12.250	
8,600.00	8,582.65	8,625.80	8,582.65	30.13	31.53	-90.45	-269.78	-626.00	734.19	673.56	60.63	12.110	
8,700.00	8,682.65	8,725.80	8,682.65	30.48	31.87	-90.45	-269.78	-626.00	734.19	672.87	61.32	11.973	
8,800.00	8,782.65	8,825.80	8,782.65	30.83	32.20	-90.45	-269.78	-626.00	734.19	672.18	62.01	11.840	
8,900.00	8,882.65	8,925.80	8,882.65	31.18	32.53	-90.45	-269.78	-626.00	734.19	671.49	62.70	11.709	
9,000.00	8,982.65	9,025.80	8,982.65	31.53	32.87	-90.45	-269.78	-626.00	734.19	670.79	63.40	11.581	
9,100.00	9,082.65	9,125.80	9,082.65	31.88	33.20	-90.45	-269.78	-626.00	734.19	670.10	64.09	11.456	
9,200.00	9,182.65	9,225.80	9,182.65	32.24	33.54	-90.45	-269.78	-626.00	734.19	669.40	64.78	11.333	
9,300.00	9,282.65	9,325.80	9,282.65	32.59	33.87	-90.45	-269.78	-626.00	734.19	668.71	65.48	11.213	
9,400.00	9,382.65	9,425.80	9,382.65	32.94	34.21	-90.45	-269.78	-626.00	734.19	668.01	66.17	11.095	
9,500.00	9,482.65	9,525.80	9,482.65	33.29	34.55	-90.45	-269.78	-626.00	734.19	667.32	66.87	10.979	
9,600.00	9,582.65	9,625.80	9,582.65	33.64	34.88	-90.45	-269.78	-626.00	734.19	666.62	67.57	10.866	
9,700.00	9,682.65	9,725.80	9,682.65	34.00	35.22	-90.45	-269.78	-626.00	734.19	665.93	68.26	10.755	
9,800.00	9,782.65	9,825.80	9,782.65	34.35	35.56	-90.45	-269.78	-626.00	734.19	665.23	68.96	10.647	
9,900.00	9,882.65	9,925.80	9,882.65	34.70	35.90	-90.45	-269.78	-626.00	734.19	664.53	69.66	10.540	
10,000.00	9,982.65	10,025.80	9,982.65	35.06	36.24	-90.45	-269.78	-626.00	734.19	663.83	70.35	10.436	
10,100.00	10,082.65	10,125.80	10,082.65	35.41	36.58	-90.45	-269.78	-626.00	734.19	663.14	71.05	10.333	
10,200.00	10,182.65	10,225.80	10,182.65	35.76	36.92	-90.45	-269.78	-626.00	734.19	662.44	71.75	10.232	
10,300.00	10,282.65	10,325.80	10,282.65	36.12	37.26	-90.45	-269.78	-626.00	734.19	661.74	72.45	10.134	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 201H - OH - Plan 2 12-10-18 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	10,382.65	10,425.80	10,382.65	36.47	37.60	-90.45	-269.78	-626.00	734.19	661.04	73.15	10.037	
10,500.00	10,482.65	10,525.80	10,482.65	36.82	37.94	-90.45	-269.78	-626.00	734.19	660.34	73.85	9.942	
10,600.00	10,582.65	10,625.80	10,582.65	37.18	38.28	-90.45	-269.78	-626.00	734.19	659.64	74.55	9.848	
10,700.00	10,682.65	10,725.80	10,682.65	37.53	38.62	-90.45	-269.78	-626.00	734.19	658.94	75.25	9.757	
10,800.00	10,782.65	10,825.80	10,782.65	37.88	38.96	-90.45	-269.78	-626.00	734.19	658.24	75.95	9.667	
10,900.00	10,882.65	10,925.80	10,882.65	38.24	39.30	-90.45	-269.78	-626.00	734.19	657.54	76.65	9.578	
11,000.00	10,982.65	11,025.80	10,982.65	38.59	39.64	-90.45	-269.78	-626.00	734.19	656.84	77.35	9.492	
11,100.00	11,082.65	11,125.80	11,082.65	38.95	39.99	-90.45	-269.78	-626.00	734.19	656.14	78.05	9.406	
11,200.00	11,182.65	11,225.80	11,182.65	39.30	40.33	-90.45	-269.78	-626.00	734.19	655.44	78.75	9.323	
11,300.00	11,282.65	11,325.80	11,282.65	39.65	40.67	-90.45	-269.78	-626.00	734.19	654.73	79.46	9.240	
11,400.00	11,382.65	11,425.80	11,382.65	40.01	41.02	-90.45	-269.78	-626.00	734.19	654.03	80.16	9.159	
11,500.00	11,482.65	11,525.80	11,482.65	40.36	41.36	-90.45	-269.78	-626.00	734.19	653.33	80.86	9.080	
11,600.00	11,582.65	11,625.80	11,582.65	40.72	41.70	-90.45	-269.78	-626.00	734.19	652.63	81.56	9.001	
11,700.00	11,682.65	11,725.80	11,682.65	41.07	42.05	-90.45	-269.78	-626.00	734.19	651.92	82.27	8.925	
11,800.00	11,782.65	11,825.80	11,782.65	41.43	42.39	-90.45	-269.78	-626.00	734.19	651.22	82.97	8.849	
11,900.00	11,882.65	11,925.80	11,882.65	41.78	42.74	-90.45	-269.78	-626.00	734.19	650.52	83.67	8.775	
12,000.00	11,982.65	12,025.80	11,982.65	42.14	43.08	-90.45	-269.78	-626.00	734.19	649.81	84.38	8.701	
12,008.37	11,991.02	12,034.18	11,991.02	42.16	43.11	-90.00	-269.78	-626.00	734.19	649.75	84.43	8.695	
12,100.00	12,082.36	12,125.51	12,082.36	42.48	43.43	-90.44	-269.78	-626.00	734.21	649.14	85.07	8.631	
12,200.00	12,178.84	12,219.46	12,176.30	42.80	43.75	-92.16	-269.14	-626.08	734.90	649.20	85.70	8.575	
12,300.00	12,267.88	12,308.09	12,263.87	43.09	44.04	-93.95	-256.45	-627.55	738.34	652.07	86.27	8.559	
12,400.00	12,345.60	12,402.08	12,352.46	43.32	44.32	-95.57	-225.70	-631.12	745.06	658.30	86.76	8.587	
12,500.00	12,408.60	12,502.87	12,438.75	43.53	44.57	-96.99	-174.31	-637.10	754.89	667.73	87.16	8.661	
12,600.00	12,454.13	12,612.15	12,517.78	43.71	44.76	-98.17	-99.69	-645.77	767.28	679.89	87.39	8.780	
12,700.00	12,480.22	12,731.60	12,582.19	43.86	44.87	-99.11	-0.13	-657.34	781.37	693.93	87.45	8.935	
12,800.00	12,491.65	12,849.52	12,622.06	44.02	44.92	-100.07	109.94	-670.14	795.47	707.97	87.50	9.091	
12,900.00	12,493.50	12,964.57	12,646.46	44.18	45.00	-100.99	221.56	-683.11	809.54	721.95	87.60	9.242	
13,000.00	12,493.50	13,083.48	12,657.31	44.39	45.19	-101.57	339.10	-696.77	821.88	733.97	87.91	9.349	
13,100.00	12,493.50	13,220.64	12,659.76	44.65	45.52	-101.57	475.60	-709.85	830.84	742.38	88.46	9.392	
13,200.00	12,493.50	13,360.35	12,662.20	44.95	45.95	-101.66	615.13	-716.46	835.06	745.95	89.11	9.372	
13,300.00	12,493.50	13,472.65	12,664.15	45.30	46.33	-101.78	727.40	-717.67	835.64	745.87	89.77	9.309	
13,400.00	12,493.50	13,572.63	12,665.89	45.68	46.72	-101.90	827.36	-718.46	836.00	745.51	90.49	9.239	
13,500.00	12,493.50	13,672.62	12,667.63	46.11	47.15	-102.02	927.33	-719.24	836.37	745.08	91.29	9.162	
13,600.00	12,493.50	13,772.60	12,669.37	46.58	47.62	-102.13	1,027.30	-720.03	836.73	744.57	92.17	9.079	
13,700.00	12,493.50	13,872.59	12,671.11	47.09	48.12	-102.25	1,127.26	-720.82	837.11	743.99	93.12	8.989	
13,800.00	12,493.50	13,972.57	12,672.85	47.63	48.66	-102.37	1,227.23	-721.61	837.48	743.33	94.15	8.895	
13,900.00	12,493.50	14,072.56	12,674.59	48.22	49.24	-102.48	1,327.20	-722.40	837.86	742.61	95.25	8.797	
14,000.00	12,493.50	14,172.54	12,676.33	48.83	49.84	-102.60	1,427.16	-723.19	838.24	741.83	96.42	8.694	
14,100.00	12,493.50	14,274.79	12,677.89	49.49	50.50	-102.70	1,529.40	-723.99	838.58	740.92	97.66	8.587	
14,200.00	12,493.50	14,375.94	12,677.85	50.17	51.18	-102.70	1,630.54	-724.79	838.57	739.58	98.99	8.471	
14,300.00	12,493.50	14,475.94	12,677.76	50.89	51.88	-102.69	1,730.54	-725.57	838.55	738.17	100.38	8.354	
14,400.00	12,493.50	14,575.94	12,677.66	51.63	52.61	-102.69	1,830.54	-726.36	838.53	736.70	101.83	8.235	
14,500.00	12,493.50	14,675.94	12,677.56	52.41	53.37	-102.68	1,930.53	-727.14	838.51	735.18	103.33	8.115	
14,600.00	12,493.30	14,778.41	12,677.20	53.21	54.18	-102.67	2,033.00	-727.95	838.48	733.58	104.90	7.993	
14,700.00	12,492.48	14,878.97	12,675.46	54.04	55.00	-102.61	2,133.54	-728.74	838.28	731.74	106.54	7.868	
14,800.00	12,491.66	14,978.97	12,673.72	54.89	55.84	-102.55	2,233.52	-729.52	838.08	729.85	108.23	7.744	
14,900.00	12,490.84	15,078.96	12,671.97	55.77	56.71	-102.49	2,333.49	-730.31	837.88	727.92	109.96	7.620	
15,000.00	12,490.02	15,178.96	12,670.22	56.67	57.60	-102.42	2,433.47	-731.09	837.68	725.94	111.74	7.497	
15,099.05	12,488.75	15,278.01	12,668.49	57.59	58.50	-102.39	2,532.51	-731.87	837.58	724.05	113.53	7.377	
15,100.00	12,488.99	15,278.95	12,668.48	57.60	58.51	-102.38	2,533.45	-731.88	837.53	723.97	113.56	7.376	
15,200.00	12,487.23	15,378.95	12,666.73	58.54	59.44	-102.38	2,633.43	-732.66	837.53	722.13	115.40	7.258	
15,300.00	12,485.46	15,478.95	12,664.99	59.51	60.40	-102.38	2,733.41	-733.45	837.54	720.25	117.29	7.141	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 201H - OH - Plan 2 12-10-18 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	12,483.69	15,578.95	12,663.24	60.50	61.37	-102.38	2,833.40	-734.23	837.54	718.33	119.21	7.026	
15,500.00	12,481.93	15,678.95	12,661.49	61.50	62.35	-102.38	2,933.38	-735.02	837.55	716.38	121.17	6.912	
15,600.00	12,480.16	15,778.95	12,659.75	62.52	63.36	-102.38	3,033.36	-735.80	837.55	714.39	123.16	6.801	
15,700.00	12,478.39	15,878.95	12,658.00	63.55	64.38	-102.38	3,133.34	-736.59	837.56	712.37	125.18	6.691	
15,800.00	12,476.63	15,978.95	12,656.25	64.61	65.42	-102.39	3,233.32	-737.37	837.56	710.32	127.24	6.583	
15,900.00	12,474.86	16,078.95	12,654.51	65.67	66.47	-102.39	3,333.30	-738.16	837.57	708.25	129.32	6.477	
16,000.00	12,473.10	16,178.95	12,652.76	66.75	67.54	-102.39	3,433.29	-738.94	837.57	706.14	131.43	6.373	
16,100.00	12,471.33	16,278.95	12,651.02	67.84	68.62	-102.39	3,533.27	-739.73	837.58	704.01	133.57	6.271	
16,200.00	12,469.56	16,378.95	12,649.27	68.95	69.71	-102.39	3,633.25	-740.52	837.58	701.85	135.73	6.171	
16,300.00	12,467.80	16,478.95	12,647.52	70.07	70.81	-102.39	3,733.23	-741.30	837.59	699.67	137.92	6.073	
16,400.00	12,466.03	16,578.95	12,645.78	71.20	71.93	-102.39	3,833.21	-742.09	837.59	697.46	140.13	5.977	
16,500.00	12,464.26	16,678.95	12,644.03	72.34	73.06	-102.40	3,933.19	-742.87	837.60	695.24	142.36	5.884	
16,600.00	12,462.50	16,778.95	12,642.29	73.49	74.20	-102.40	4,033.18	-743.66	837.60	692.99	144.62	5.792	
16,700.00	12,460.73	16,878.95	12,640.54	74.65	75.34	-102.40	4,133.16	-744.44	837.61	690.72	146.89	5.702	
16,800.00	12,458.96	16,978.95	12,638.79	75.82	76.50	-102.40	4,233.14	-745.23	837.61	688.43	149.18	5.615	
16,900.00	12,457.20	17,078.95	12,637.05	77.00	77.67	-102.40	4,333.12	-746.01	837.62	686.13	151.49	5.529	
17,000.00	12,455.43	17,178.95	12,635.30	78.18	78.84	-102.40	4,433.10	-746.80	837.62	683.81	153.81	5.446	
17,100.00	12,453.66	17,278.95	12,633.56	79.38	80.03	-102.40	4,533.08	-747.58	837.63	681.47	156.16	5.364	
17,200.00	12,451.90	17,378.95	12,631.81	80.58	81.22	-102.40	4,633.07	-748.37	837.63	679.12	158.52	5.284	
17,300.00	12,450.13	17,478.95	12,630.06	81.79	82.42	-102.41	4,733.05	-749.15	837.64	676.75	160.89	5.206	
17,400.00	12,448.36	17,578.95	12,628.32	83.01	83.63	-102.41	4,833.03	-749.94	837.64	674.37	163.28	5.130	
17,404.16	12,448.29	17,583.11	12,628.24	83.06	83.68	-102.41	4,837.19	-749.97	837.64	674.27	163.38	5.127	
17,448.95	12,447.50	17,625.73	12,627.50	83.61	84.20	-102.41	4,879.80	-750.31	837.65	673.22	164.43	5.094	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 202H - OH - Plan 2 12-10-18 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.36	0.33	30.03	30.05				
100.00	100.00	99.00	99.00	0.13	0.13	89.36	0.33	30.03	30.03	29.77	0.27	113.019	
200.00	200.00	199.00	199.00	0.49	0.49	89.36	0.33	30.03	30.03	29.05	0.98	30.632	
300.00	300.00	299.00	299.00	0.85	0.85	89.36	0.33	30.03	30.03	28.33	1.70	17.693	
400.00	400.00	399.00	399.00	1.21	1.21	89.36	0.33	30.03	30.03	27.62	2.41	12.439	
500.00	500.00	499.00	499.00	1.57	1.56	89.36	0.33	30.03	30.03	26.90	3.13	9.591	
600.00	600.00	599.00	599.00	1.93	1.92	89.36	0.33	30.03	30.03	26.18	3.85	7.804	
700.00	700.00	699.00	699.00	2.28	2.28	89.36	0.33	30.03	30.03	25.47	4.57	6.579	
800.00	800.00	799.00	799.00	2.64	2.64	89.36	0.33	30.03	30.03	24.75	5.28	5.686	
900.00	900.00	899.00	899.00	3.00	3.00	89.36	0.33	30.03	30.03	24.03	6.00	5.006	
1,000.00	1,000.00	999.00	999.00	3.36	3.36	89.36	0.33	30.03	30.03	23.32	6.72	4.472	
1,100.00	1,100.00	1,099.00	1,099.00	3.72	3.71	89.36	0.33	30.03	30.03	22.60	7.43	4.040	CC
1,200.00	1,199.99	1,198.50	1,198.49	4.06	4.06	-69.44	0.12	30.85	30.54	22.42	8.12	3.761	ES
1,300.00	1,299.96	1,297.95	1,297.91	4.39	4.40	-72.46	-0.55	33.33	32.14	23.36	8.78	3.660	SF
1,400.00	1,399.86	1,397.34	1,397.21	4.72	4.74	-76.83	-1.66	37.48	35.00	25.55	9.45	3.703	
1,500.00	1,499.68	1,496.62	1,496.30	5.06	5.08	-81.82	-3.22	43.28	39.28	29.16	10.12	3.880	
1,600.00	1,599.37	1,595.76	1,595.14	5.40	5.43	-86.78	-5.22	50.73	45.14	34.33	10.81	4.177	
1,700.00	1,698.90	1,694.73	1,693.66	5.75	5.78	-91.29	-7.65	59.82	52.65	41.15	11.50	4.579	
1,800.00	1,798.26	1,793.48	1,791.79	6.10	6.14	-95.16	-10.52	70.52	61.82	49.63	12.20	5.069	
1,900.00	1,897.40	1,892.00	1,889.48	6.47	6.50	-98.37	-13.82	82.82	72.66	59.75	12.91	5.630	
2,000.00	1,996.43	1,991.16	1,987.68	6.83	6.87	-100.92	-17.39	96.14	84.49	70.85	13.64	6.195	
2,100.00	2,095.46	2,090.40	2,085.95	7.20	7.25	-102.84	-20.97	109.48	96.45	82.07	14.38	6.709	
2,200.00	2,194.48	2,189.64	2,184.22	7.58	7.62	-104.34	-24.55	122.82	108.49	93.37	15.12	7.175	
2,300.00	2,293.51	2,288.87	2,282.49	7.96	8.00	-105.54	-28.13	136.15	120.59	104.72	15.87	7.599	
2,400.00	2,392.54	2,388.11	2,380.77	8.34	8.38	-106.51	-31.70	149.49	132.74	116.11	16.62	7.985	
2,500.00	2,491.57	2,487.35	2,479.04	8.72	8.77	-107.33	-35.28	162.83	144.91	127.53	17.38	8.337	
2,600.00	2,590.59	2,586.58	2,577.31	9.11	9.15	-108.02	-38.86	176.17	157.11	138.97	18.14	8.660	
2,700.00	2,689.62	2,685.82	2,675.58	9.50	9.54	-108.61	-42.43	189.50	169.33	150.42	18.91	8.956	
2,800.00	2,788.65	2,785.06	2,773.85	9.89	9.93	-109.12	-46.01	202.84	181.57	161.89	19.67	9.229	
2,900.00	2,887.67	2,884.29	2,872.12	10.28	10.32	-109.56	-49.59	216.18	193.81	173.37	20.44	9.481	
3,000.00	2,986.70	2,983.53	2,970.39	10.67	10.71	-109.95	-53.16	229.52	206.07	184.85	21.21	9.714	
3,100.00	3,085.73	3,082.77	3,068.66	11.07	11.10	-110.30	-56.74	242.85	218.33	196.35	21.99	9.930	
3,200.00	3,184.79	3,182.02	3,166.95	11.46	11.49	-110.62	-60.32	256.19	230.53	207.77	22.76	10.128	
3,300.00	3,284.04	3,281.33	3,265.30	11.85	11.89	-110.62	-63.90	269.54	242.19	218.66	23.53	10.292	
3,400.00	3,383.49	3,380.70	3,363.69	12.23	12.28	-110.25	-67.48	282.90	253.25	228.95	24.29	10.424	
3,500.00	3,483.11	3,480.08	3,462.11	12.61	12.68	-109.56	-71.06	296.25	263.74	238.69	25.05	10.528	
3,600.00	3,582.87	3,579.45	3,560.52	12.98	13.07	-108.58	-74.64	309.61	273.72	247.92	25.80	10.609	
3,700.00	3,682.73	3,678.78	3,658.88	13.34	13.47	-107.34	-78.23	322.96	283.27	256.73	26.54	10.672	
3,800.00	3,782.67	3,778.04	3,757.17	13.70	13.86	-105.85	-81.80	336.30	292.49	265.22	27.27	10.724	
3,900.00	3,882.65	3,877.20	3,855.37	14.04	14.26	-104.15	-85.38	349.63	301.49	273.49	28.00	10.769	
4,000.00	3,982.65	3,976.24	3,953.45	14.37	14.66	55.50	-88.95	362.94	310.44	281.75	28.69	10.819	
4,100.00	4,082.65	4,075.27	4,051.51	14.70	15.05	57.38	-92.52	376.25	319.70	290.31	29.39	10.879	
4,200.00	4,182.65	4,174.30	4,149.57	15.03	15.45	59.16	-96.09	389.56	329.29	299.21	30.08	10.948	
4,300.00	4,282.65	4,273.33	4,247.64	15.35	15.85	60.84	-99.66	402.87	339.17	308.40	30.77	11.023	
4,400.00	4,382.65	4,372.35	4,345.70	15.68	16.25	62.43	-103.23	416.18	349.34	317.88	31.46	11.104	
4,500.00	4,482.65	4,471.38	4,443.77	16.01	16.64	63.92	-106.79	429.49	359.75	327.60	32.15	11.190	
4,600.00	4,582.65	4,570.41	4,541.83	16.35	17.04	65.33	-110.36	442.80	370.39	337.55	32.84	11.278	
4,700.00	4,682.65	4,669.43	4,639.89	16.68	17.44	66.66	-113.93	456.11	381.25	347.71	33.53	11.369	
4,800.00	4,782.65	4,768.46	4,737.96	17.01	17.84	67.92	-117.50	469.42	392.29	358.07	34.22	11.462	
4,900.00	4,882.65	4,867.49	4,836.02	17.35	18.24	69.10	-121.07	482.73	403.52	368.60	34.92	11.556	
5,000.00	4,982.65	4,966.52	4,934.08	17.68	18.64	70.23	-124.64	496.04	414.90	379.29	35.61	11.651	
5,100.00	5,082.65	5,065.54	5,032.15	18.02	19.04	71.29	-128.21	509.35	426.44	390.14	36.30	11.746	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 202H - OH - Plan 2 12-10-18 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,182.65	5,164.57	5,130.21	18.36	19.44	72.30	-131.78	522.66	438.12	401.12	37.00	11.841	
5,300.00	5,282.65	5,263.60	5,228.28	18.70	19.84	73.25	-135.35	535.96	449.92	412.23	37.69	11.936	
5,400.00	5,382.65	5,362.62	5,326.34	19.04	20.24	74.16	-138.92	549.27	461.84	423.45	38.39	12.030	
5,500.00	5,482.65	5,461.65	5,424.40	19.38	20.64	75.02	-142.49	562.58	473.87	434.79	39.09	12.123	
5,600.00	5,582.65	5,560.68	5,522.47	19.72	21.04	75.84	-146.06	575.89	486.00	446.22	39.78	12.216	
5,700.00	5,682.65	5,659.71	5,620.53	20.06	21.44	76.62	-149.63	589.20	498.23	457.74	40.48	12.307	
5,800.00	5,782.65	5,758.73	5,718.59	20.40	21.84	77.36	-153.20	602.51	510.54	469.35	41.18	12.397	
5,900.00	5,882.65	5,857.76	5,816.66	20.74	22.24	78.07	-156.77	615.82	522.93	481.04	41.88	12.486	
6,000.00	5,982.65	5,956.79	5,914.72	21.08	22.64	78.74	-160.34	629.13	535.39	492.81	42.58	12.573	
6,100.00	6,082.65	6,055.81	6,012.78	21.43	23.04	79.38	-163.91	642.44	547.93	504.64	43.28	12.659	
6,200.00	6,182.65	6,154.84	6,110.85	21.77	23.44	80.00	-167.48	655.75	560.53	516.54	43.99	12.743	
6,300.00	6,282.65	6,253.87	6,208.91	22.12	23.84	80.58	-171.04	669.06	573.19	528.50	44.69	12.826	
6,400.00	6,382.65	6,352.89	6,306.98	22.46	24.24	81.15	-174.61	682.37	585.91	540.52	45.39	12.907	
6,500.00	6,482.65	6,451.92	6,405.04	22.81	24.64	81.68	-178.18	695.68	598.68	552.58	46.10	12.987	
6,600.00	6,582.65	6,550.95	6,503.10	23.15	25.04	82.20	-181.75	708.99	611.50	564.70	46.80	13.065	
6,700.00	6,682.65	6,649.98	6,601.17	23.50	25.44	82.69	-185.32	722.30	624.37	576.86	47.51	13.142	
6,800.00	6,782.65	6,749.00	6,699.23	23.84	25.85	83.17	-188.89	735.61	637.28	589.07	48.21	13.218	
6,900.00	6,882.65	6,848.03	6,797.29	24.19	26.25	83.62	-192.46	748.92	650.24	601.32	48.92	13.292	
7,000.00	6,982.65	6,947.06	6,895.36	24.54	26.65	84.06	-196.03	762.23	663.23	613.60	49.63	13.364	
7,100.00	7,082.65	7,046.08	6,993.42	24.88	27.05	84.48	-199.60	775.54	676.26	625.92	50.34	13.435	
7,200.00	7,182.65	7,145.11	7,091.48	25.23	27.45	84.89	-203.17	788.85	689.32	638.28	51.04	13.504	
7,300.00	7,282.65	7,244.14	7,189.55	25.58	27.85	85.28	-206.74	802.16	702.42	650.67	51.75	13.573	
7,400.00	7,382.65	7,343.17	7,287.61	25.93	28.25	85.65	-210.31	815.47	715.55	663.08	52.46	13.639	
7,500.00	7,482.65	7,442.19	7,385.68	26.28	28.66	86.02	-213.88	828.78	728.70	675.53	53.17	13.705	
7,600.00	7,582.65	7,541.22	7,483.74	26.63	29.06	86.37	-217.45	842.08	741.89	688.01	53.88	13.769	
7,700.00	7,682.65	7,640.25	7,581.80	26.97	29.46	86.70	-221.02	855.39	755.10	700.51	54.59	13.832	
7,800.00	7,782.65	7,739.27	7,679.87	27.32	29.86	87.03	-224.59	868.70	768.33	713.03	55.30	13.893	
7,900.00	7,882.65	7,838.30	7,777.93	27.67	30.26	87.34	-228.16	882.01	781.59	725.58	56.01	13.953	
8,000.00	7,982.65	7,937.33	7,875.99	28.02	30.67	87.65	-231.72	895.32	794.88	738.15	56.73	14.012	
8,100.00	8,082.65	8,036.36	7,974.06	28.37	31.07	87.94	-235.29	908.63	808.18	750.74	57.44	14.070	
8,200.00	8,182.65	8,135.38	8,072.12	28.72	31.47	88.23	-238.86	921.94	821.50	763.35	58.15	14.127	
8,300.00	8,282.65	8,234.41	8,170.18	29.07	31.87	88.50	-242.43	935.25	834.84	775.98	58.86	14.183	
8,400.00	8,382.65	8,348.58	8,283.38	29.42	32.33	88.79	-246.29	949.65	847.39	787.71	59.68	14.198	
8,500.00	8,482.65	8,464.56	8,398.65	29.78	32.78	89.03	-249.62	962.04	858.03	797.53	60.49	14.184	
8,600.00	8,582.65	8,581.02	8,514.62	30.13	33.22	89.22	-252.35	972.22	866.73	805.44	61.29	14.142	
8,700.00	8,682.65	8,697.86	8,631.17	30.48	33.65	89.37	-254.47	980.14	873.49	811.43	62.06	14.075	
8,800.00	8,782.65	8,814.98	8,748.15	30.83	34.06	89.47	-255.98	985.77	878.29	815.47	62.81	13.983	
8,900.00	8,882.65	8,932.30	8,865.41	31.18	34.46	89.53	-256.88	989.10	881.12	817.57	63.54	13.867	
9,000.00	8,982.65	9,048.55	8,981.65	31.53	34.85	89.55	-257.15	990.11	881.98	817.73	64.25	13.728	
9,100.00	9,082.65	9,148.55	9,081.65	31.88	35.16	89.55	-257.15	990.11	881.98	817.05	64.93	13.584	
9,200.00	9,182.65	9,248.55	9,181.65	32.24	35.47	89.55	-257.15	990.11	881.98	816.37	65.61	13.443	
9,300.00	9,282.65	9,348.55	9,281.65	32.59	35.79	89.55	-257.15	990.11	881.98	815.69	66.29	13.305	
9,400.00	9,382.65	9,448.55	9,381.65	32.94	36.11	89.55	-257.15	990.11	881.98	815.01	66.97	13.170	
9,500.00	9,482.65	9,548.55	9,481.65	33.29	36.42	89.55	-257.15	990.11	881.98	814.32	67.65	13.037	
9,600.00	9,582.65	9,648.55	9,581.65	33.64	36.74	89.55	-257.15	990.11	881.98	813.64	68.34	12.907	
9,700.00	9,682.65	9,748.55	9,681.65	34.00	37.06	89.55	-257.15	990.11	881.98	812.96	69.02	12.779	
9,800.00	9,782.65	9,848.55	9,781.65	34.35	37.38	89.55	-257.15	990.11	881.98	812.27	69.70	12.653	
9,900.00	9,882.65	9,948.55	9,881.65	34.70	37.70	89.55	-257.15	990.11	881.98	811.59	70.39	12.530	
10,000.00	9,982.65	10,048.55	9,981.65	35.06	38.02	89.55	-257.15	990.11	881.98	810.90	71.08	12.409	
10,100.00	10,082.65	10,148.55	10,081.65	35.41	38.34	89.55	-257.15	990.11	881.98	810.21	71.76	12.290	
10,200.00	10,182.65	10,248.55	10,181.65	35.76	38.66	89.55	-257.15	990.11	881.98	809.53	72.45	12.174	
10,300.00	10,282.65	10,348.55	10,281.65	36.12	38.98	89.55	-257.15	990.11	881.98	808.84	73.14	12.059	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 202H - OH - Plan 2 12-10-18 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	10,382.65	10,448.55	10,381.65	36.47	39.30	89.55	-257.15	990.11	881.98	808.15	73.83	11.947	
10,500.00	10,482.65	10,548.55	10,481.65	36.82	39.63	89.55	-257.15	990.11	881.98	807.46	74.51	11.836	
10,600.00	10,582.65	10,648.55	10,581.65	37.18	39.95	89.55	-257.15	990.11	881.98	806.77	75.20	11.728	
10,700.00	10,682.65	10,748.55	10,681.65	37.53	40.28	89.55	-257.15	990.11	881.98	806.08	75.89	11.621	
10,800.00	10,782.65	10,848.55	10,781.65	37.88	40.60	89.55	-257.15	990.11	881.98	805.39	76.58	11.517	
10,900.00	10,882.65	10,948.55	10,881.65	38.24	40.93	89.55	-257.15	990.11	881.98	804.70	77.27	11.414	
11,000.00	10,982.65	11,048.55	10,981.65	38.59	41.26	89.55	-257.15	990.11	881.98	804.01	77.97	11.312	
11,100.00	11,082.65	11,148.55	11,081.65	38.95	41.58	89.55	-257.15	990.11	881.98	803.32	78.66	11.213	
11,200.00	11,182.65	11,248.55	11,181.65	39.30	41.91	89.55	-257.15	990.11	881.98	802.63	79.35	11.115	
11,300.00	11,282.65	11,348.55	11,281.65	39.65	42.24	89.55	-257.15	990.11	881.98	801.93	80.04	11.019	
11,400.00	11,382.65	11,448.55	11,381.65	40.01	42.57	89.55	-257.15	990.11	881.98	801.24	80.73	10.924	
11,500.00	11,482.65	11,548.55	11,481.65	40.36	42.89	89.55	-257.15	990.11	881.98	800.55	81.43	10.831	
11,600.00	11,582.65	11,648.55	11,581.65	40.72	43.22	89.55	-257.15	990.11	881.98	799.85	82.12	10.740	
11,700.00	11,682.65	11,748.55	11,681.65	41.07	43.55	89.55	-257.15	990.11	881.98	799.16	82.82	10.650	
11,800.00	11,782.65	11,848.55	11,781.65	41.43	43.88	89.55	-257.15	990.11	881.98	798.47	83.51	10.561	
11,900.00	11,882.65	11,948.55	11,881.65	41.78	44.22	89.55	-257.15	990.11	881.98	797.77	84.21	10.474	
12,000.00	11,982.65	12,048.55	11,981.65	42.14	44.55	89.55	-257.15	990.11	881.98	797.08	84.90	10.388	
12,000.07	11,982.72	12,048.61	11,981.72	42.14	44.55	89.55	-257.15	990.11	881.98	797.07	84.90	10.388	
12,100.00	12,082.36	12,148.63	12,081.69	42.48	44.88	90.27	-255.60	990.10	881.99	796.40	85.58	10.306	
12,200.00	12,178.84	12,250.03	12,181.14	42.80	45.19	90.74	-236.80	989.95	882.05	795.84	86.21	10.232	
12,300.00	12,267.88	12,353.02	12,275.78	43.09	45.46	91.18	-196.69	989.64	882.17	795.41	86.76	10.168	
12,400.00	12,345.60	12,457.52	12,360.78	43.32	45.66	91.58	-136.26	989.16	882.31	795.08	87.24	10.114	
12,500.00	12,408.60	12,563.36	12,431.40	43.53	45.79	91.90	-57.72	988.55	882.46	794.82	87.64	10.069	
12,600.00	12,454.13	12,670.28	12,483.45	43.71	45.85	92.13	35.42	987.82	882.59	794.60	87.99	10.030	
12,700.00	12,480.22	12,774.72	12,516.42	43.86	45.86	92.49	134.44	987.04	882.82	794.53	88.29	9.999	
12,800.00	12,491.65	12,878.99	12,538.08	44.02	45.86	93.10	236.38	986.24	883.28	794.73	88.55	9.974	
12,900.00	12,493.50	12,984.43	12,548.56	44.18	45.89	93.64	341.25	985.42	883.76	794.91	88.85	9.947	
13,000.00	12,493.50	13,086.93	12,549.50	44.39	45.98	93.70	443.73	984.62	883.82	794.57	89.25	9.902	
13,100.00	12,493.50	13,186.93	12,549.50	44.65	46.14	93.70	543.73	983.83	883.82	794.08	89.75	9.848	
13,200.00	12,493.50	13,286.93	12,549.50	44.95	46.38	93.70	643.72	983.05	883.82	793.50	90.33	9.785	
13,300.00	12,493.50	13,386.93	12,549.50	45.30	46.69	93.70	743.72	982.27	883.83	792.83	91.00	9.713	
13,400.00	12,493.50	13,486.93	12,549.50	45.68	47.05	93.70	843.72	981.48	883.83	792.08	91.75	9.633	
13,500.00	12,493.50	13,586.93	12,549.50	46.11	47.46	93.70	943.71	980.70	883.83	791.25	92.58	9.546	
13,600.00	12,493.50	13,687.41	12,549.30	46.58	47.92	93.68	1,044.19	979.91	883.82	790.32	93.50	9.453	
13,700.00	12,493.50	13,787.41	12,548.48	47.09	48.42	93.63	1,144.18	979.13	883.77	789.26	94.51	9.351	
13,800.00	12,493.50	13,887.40	12,547.66	47.63	48.96	93.58	1,244.17	978.35	883.71	788.13	95.59	9.245	
13,900.00	12,493.50	13,987.40	12,546.84	48.22	49.53	93.53	1,344.16	977.56	883.66	786.92	96.74	9.135	
14,000.00	12,493.50	14,087.40	12,546.02	48.83	50.14	93.47	1,444.15	976.78	883.61	785.65	97.96	9.020	
14,100.00	12,493.50	14,187.88	12,544.98	49.49	50.78	93.41	1,544.63	975.99	883.55	784.30	99.26	8.902	
14,200.00	12,493.50	14,287.87	12,543.23	50.17	51.46	93.29	1,644.59	975.21	883.45	782.82	100.63	8.779	
14,300.00	12,493.50	14,387.85	12,541.49	50.89	52.16	93.18	1,744.56	974.42	883.35	781.29	102.06	8.655	
14,400.00	12,493.50	14,487.84	12,539.74	51.63	52.90	93.07	1,844.52	973.64	883.26	779.70	103.55	8.529	
14,500.00	12,493.50	14,587.82	12,537.99	52.41	53.66	92.95	1,944.49	972.85	883.17	778.06	105.11	8.403	
14,600.00	12,493.30	14,687.81	12,536.25	53.21	54.45	92.85	2,044.46	972.07	883.09	776.38	106.71	8.276	
14,700.00	12,492.48	14,787.80	12,534.50	54.04	55.27	92.79	2,144.44	971.29	883.04	774.68	108.36	8.149	
14,800.00	12,491.66	14,887.80	12,532.75	54.89	56.11	92.73	2,244.42	970.50	883.00	772.93	110.07	8.022	
14,900.00	12,490.84	14,987.80	12,531.00	55.77	56.97	92.67	2,344.39	969.72	882.96	771.14	111.82	7.896	
15,000.00	12,490.02	15,087.79	12,529.26	56.67	57.86	92.61	2,444.37	968.93	882.91	769.29	113.62	7.771	
15,098.86	12,488.75	15,186.64	12,527.53	57.59	58.75	92.58	2,543.21	968.16	882.89	767.46	115.43	7.648	
15,100.00	12,488.99	15,187.79	12,527.51	57.60	58.76	92.57	2,544.35	968.15	882.88	767.42	115.46	7.647	
15,200.00	12,487.23	15,287.79	12,525.76	58.54	59.69	92.57	2,644.33	967.36	882.88	765.55	117.33	7.524	
15,300.00	12,485.46	15,387.79	12,524.02	59.51	60.64	92.57	2,744.31	966.58	882.88	763.63	119.25	7.404	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 202H - OH - Plan 2 12-10-18 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	12,483.69	15,487.79	12,522.27	60.50	61.61	92.57	2,844.29	965.80	882.88	761.68	121.21	7.284	
15,500.00	12,481.93	15,587.79	12,520.52	61.50	62.59	92.57	2,944.27	965.01	882.89	759.69	123.20	7.166	
15,600.00	12,480.16	15,687.79	12,518.77	62.52	63.59	92.57	3,044.26	964.23	882.89	757.67	125.22	7.051	
15,700.00	12,478.39	15,787.79	12,517.03	63.55	64.61	92.57	3,144.24	963.44	882.89	755.61	127.28	6.937	
15,800.00	12,476.63	15,887.79	12,515.28	64.61	65.64	92.57	3,244.22	962.66	882.89	753.52	129.37	6.825	
15,900.00	12,474.86	15,987.79	12,513.53	65.67	66.69	92.58	3,344.20	961.88	882.89	751.41	131.48	6.715	
16,000.00	12,473.10	16,087.79	12,511.78	66.75	67.75	92.58	3,444.18	961.09	882.89	749.26	133.63	6.607	
16,100.00	12,471.33	16,187.79	12,510.04	67.84	68.83	92.58	3,544.16	960.31	882.89	747.09	135.80	6.501	
16,200.00	12,469.56	16,287.79	12,508.29	68.95	69.92	92.58	3,644.15	959.52	882.90	744.89	138.00	6.398	
16,300.00	12,467.80	16,387.79	12,506.54	70.07	71.02	92.58	3,744.13	958.74	882.90	742.67	140.22	6.296	
16,400.00	12,466.03	16,487.79	12,504.80	71.20	72.13	92.58	3,844.11	957.96	882.90	740.43	142.47	6.197	
16,500.00	12,464.26	16,587.79	12,503.05	72.34	73.26	92.58	3,944.09	957.17	882.90	738.16	144.74	6.100	
16,600.00	12,462.50	16,687.79	12,501.30	73.49	74.39	92.58	4,044.07	956.39	882.90	735.88	147.02	6.005	
16,700.00	12,460.73	16,787.79	12,499.55	74.65	75.54	92.59	4,144.05	955.60	882.90	733.57	149.33	5.912	
16,800.00	12,458.96	16,887.79	12,497.81	75.82	76.69	92.59	4,244.04	954.82	882.90	731.24	151.66	5.822	
16,900.00	12,457.20	16,987.79	12,496.06	77.00	77.85	92.59	4,344.02	954.03	882.90	728.90	154.01	5.733	
17,000.00	12,455.43	17,087.79	12,494.31	78.18	79.03	92.59	4,444.00	953.25	882.91	726.53	156.37	5.646	
17,100.00	12,453.66	17,187.79	12,492.57	79.38	80.21	92.59	4,543.98	952.47	882.91	724.15	158.75	5.562	
17,200.00	12,451.90	17,287.79	12,490.82	80.58	81.40	92.59	4,643.96	951.68	882.91	721.76	161.15	5.479	
17,300.00	12,450.13	17,387.79	12,489.07	81.79	82.59	92.59	4,743.94	950.90	882.91	719.35	163.56	5.398	
17,400.00	12,448.36	17,487.79	12,487.32	83.01	83.80	92.59	4,843.93	950.11	882.91	716.92	165.99	5.319	
17,404.65	12,448.28	17,492.44	12,487.24	83.07	83.85	92.59	4,848.58	950.08	882.91	716.81	166.10	5.316	
17,448.95	12,447.50	17,534.94	12,486.50	83.61	84.37	92.59	4,891.07	949.74	882.91	715.74	167.17	5.281	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 21H - OH - Plan 1 — Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-90.40	-0.41	-59.94	59.94				
100.00	100.00	100.00	100.00	0.13	0.13	-90.40	-0.41	-59.94	59.94	59.67	0.27	224.443	
200.00	200.00	200.00	200.00	0.49	0.49	-90.40	-0.41	-59.94	59.94	58.96	0.98	60.914	
300.00	300.00	300.00	300.00	0.85	0.85	-90.40	-0.41	-59.94	59.94	58.24	1.70	35.239	
400.00	400.00	400.00	400.00	1.21	1.21	-90.40	-0.41	-59.94	59.94	57.52	2.42	24.790	
500.00	500.00	500.00	500.00	1.57	1.57	-90.40	-0.41	-59.94	59.94	56.81	3.13	19.121	
600.00	600.00	600.00	600.00	1.93	1.93	-90.40	-0.41	-59.94	59.94	56.09	3.85	15.562	
700.00	700.00	700.00	700.00	2.28	2.28	-90.40	-0.41	-59.94	59.94	55.37	4.57	13.120	
800.00	800.00	800.00	800.00	2.64	2.64	-90.40	-0.41	-59.94	59.94	54.65	5.29	11.340	
900.00	900.00	900.00	900.00	3.00	3.00	-90.40	-0.41	-59.94	59.94	53.94	6.00	9.986	
1,000.00	1,000.00	1,000.00	1,000.00	3.36	3.36	-90.40	-0.41	-59.94	59.94	53.22	6.72	8.920	
1,100.00	1,100.00	1,100.00	1,100.00	3.72	3.72	-90.40	-0.41	-59.94	59.94	52.50	7.44	8.060	CC, ES
1,200.00	1,199.99	1,199.02	1,199.02	4.06	4.06	112.32	-0.74	-60.73	61.07	52.95	8.12	7.521	
1,300.00	1,299.96	1,297.96	1,297.92	4.39	4.40	113.56	-1.71	-63.10	64.48	55.70	8.78	7.344	SF
1,400.00	1,399.86	1,396.71	1,396.58	4.72	4.73	115.34	-3.32	-67.05	70.21	60.77	9.44	7.435	
1,500.00	1,499.68	1,495.20	1,494.89	5.06	5.07	117.39	-5.57	-72.55	78.33	68.22	10.11	7.746	
1,600.00	1,599.37	1,593.34	1,592.73	5.40	5.42	119.46	-8.45	-79.58	88.87	78.09	10.79	8.240	
1,700.00	1,698.90	1,691.04	1,689.99	5.75	5.76	121.38	-11.95	-88.13	101.87	90.40	11.46	8.886	
1,800.00	1,798.26	1,788.21	1,786.56	6.10	6.11	123.09	-16.05	-98.15	117.30	105.16	12.14	9.659	
1,900.00	1,897.40	1,884.79	1,882.34	6.47	6.47	124.55	-20.74	-109.60	135.17	122.35	12.83	10.537	
2,000.00	1,996.43	1,980.80	1,977.34	6.83	6.82	125.69	-26.01	-122.47	154.95	141.44	13.52	11.465	
2,100.00	2,095.46	2,078.19	2,073.53	7.20	7.19	126.36	-31.76	-136.55	175.67	161.45	14.22	12.350	
2,200.00	2,194.48	2,175.99	2,170.13	7.58	7.57	126.88	-37.56	-150.71	196.44	181.49	14.95	13.143	
2,300.00	2,293.51	2,273.80	2,266.73	7.96	7.95	127.30	-43.36	-164.88	217.21	201.54	15.67	13.860	
2,400.00	2,392.54	2,371.61	2,363.33	8.34	8.33	127.65	-49.15	-179.04	238.00	221.60	16.40	14.510	
2,500.00	2,491.57	2,469.41	2,459.93	8.72	8.71	127.95	-54.95	-193.21	258.79	241.65	17.14	15.102	
2,600.00	2,590.59	2,567.22	2,556.53	9.11	9.10	128.20	-60.75	-207.37	279.59	261.71	17.87	15.642	
2,700.00	2,689.62	2,665.02	2,653.14	9.50	9.49	128.41	-66.54	-221.53	300.39	281.77	18.62	16.137	
2,800.00	2,788.65	2,762.83	2,749.74	9.89	9.88	128.60	-72.34	-235.70	321.20	301.84	19.36	16.591	
2,900.00	2,887.67	2,860.64	2,846.34	10.28	10.27	128.76	-78.14	-249.86	342.00	321.90	20.11	17.010	
3,000.00	2,986.70	2,958.44	2,942.94	10.67	10.67	128.91	-83.93	-264.03	362.82	341.96	20.85	17.398	
3,100.00	3,085.73	3,056.25	3,039.54	11.07	11.06	129.04	-89.73	-278.19	383.63	362.02	21.60	17.757	
3,200.00	3,184.79	3,154.09	3,136.17	11.46	11.46	129.21	-95.53	-292.36	404.31	381.95	22.36	18.085	
3,300.00	3,284.04	3,252.12	3,233.00	11.85	11.86	129.29	-101.34	-306.56	424.04	400.93	23.11	18.352	
3,400.00	3,383.49	3,350.35	3,330.01	12.23	12.26	129.18	-107.16	-320.78	442.69	418.83	23.85	18.560	
3,500.00	3,483.11	3,448.74	3,427.19	12.61	12.66	128.92	-112.99	-335.03	460.27	435.67	24.59	18.714	
3,600.00	3,582.87	3,547.26	3,524.51	12.98	13.06	128.51	-118.83	-349.30	476.80	451.46	25.33	18.820	
3,700.00	3,682.73	3,645.90	3,621.92	13.34	13.46	127.97	-124.68	-363.59	492.31	466.24	26.07	18.885	
3,800.00	3,782.67	3,744.60	3,719.41	13.70	13.87	127.30	-130.53	-377.88	506.83	480.04	26.80	18.914	
3,900.00	3,882.65	3,843.35	3,816.95	14.04	14.27	126.52	-136.38	-392.18	520.42	492.90	27.52	18.910	
4,000.00	3,982.65	3,942.12	3,914.50	14.37	14.68	-76.68	-142.23	-406.49	533.25	505.02	28.23	18.893	
4,100.00	4,082.65	4,040.89	4,012.05	14.70	15.09	-77.63	-148.09	-420.79	546.10	517.18	28.92	18.880	
4,200.00	4,182.65	4,139.66	4,109.60	15.03	15.50	-78.54	-153.94	-435.09	559.10	529.48	29.63	18.873	
4,300.00	4,282.65	4,238.43	4,207.15	15.35	15.90	-79.41	-159.80	-449.40	572.23	541.91	30.33	18.869	
4,400.00	4,382.65	4,337.19	4,304.71	15.68	16.31	-80.24	-165.65	-463.70	585.49	554.46	31.03	18.870	
4,500.00	4,482.65	4,435.96	4,402.26	16.01	16.72	-81.03	-171.50	-478.01	598.86	567.13	31.73	18.874	
4,600.00	4,582.65	4,534.73	4,499.81	16.35	17.13	-81.78	-177.36	-492.31	612.33	579.90	32.43	18.881	
4,700.00	4,682.65	4,633.50	4,597.36	16.68	17.54	-82.51	-183.21	-506.61	625.91	592.78	33.13	18.890	
4,800.00	4,782.65	4,732.27	4,694.91	17.01	17.95	-83.20	-189.06	-520.92	639.58	605.75	33.84	18.901	
4,900.00	4,882.65	4,831.03	4,792.46	17.35	18.36	-83.87	-194.92	-535.22	653.35	618.80	34.54	18.914	
5,000.00	4,982.65	4,929.80	4,890.01	17.68	18.77	-84.50	-200.77	-549.52	667.19	631.94	35.25	18.929	
5,100.00	5,082.65	5,028.57	4,987.57	18.02	19.18	-85.11	-206.62	-563.83	681.11	645.16	35.95	18.945	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 21H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,182.65	5,127.34	5,085.12	18.36	19.59	-85.70	-212.48	-578.13	695.11	658.45	36.66	18.962	
5,300.00	5,282.65	5,226.11	5,182.67	18.70	20.00	-86.26	-218.33	-592.44	709.18	671.81	37.36	18.980	
5,400.00	5,382.65	5,324.88	5,280.22	19.04	20.41	-86.81	-224.19	-606.74	723.31	685.24	38.07	18.999	
5,500.00	5,482.65	5,423.64	5,377.77	19.38	20.82	-87.33	-230.04	-621.04	737.50	698.72	38.78	19.018	
5,600.00	5,582.65	5,522.41	5,475.32	19.72	21.23	-87.83	-235.89	-635.35	751.75	712.26	39.49	19.039	
5,700.00	5,682.65	5,621.18	5,572.87	20.06	21.64	-88.31	-241.75	-649.65	766.05	725.86	40.19	19.059	
5,800.00	5,782.65	5,728.92	5,679.36	20.40	22.09	-88.81	-247.96	-664.84	780.05	739.07	40.97	19.039	
5,900.00	5,882.65	5,842.34	5,791.75	20.74	22.55	-89.25	-253.73	-678.94	792.41	750.62	41.78	18.965	
6,000.00	5,982.65	5,956.33	5,904.98	21.08	22.99	-89.61	-258.68	-691.03	802.98	760.40	42.58	18.858	
6,100.00	6,082.65	6,070.79	6,018.93	21.43	23.43	-89.91	-262.79	-701.07	811.74	768.38	43.37	18.719	
6,200.00	6,182.65	6,185.64	6,133.46	21.77	23.85	-90.14	-266.05	-709.03	818.68	774.54	44.14	18.548	
6,300.00	6,282.65	6,300.80	6,248.44	22.12	24.27	-90.30	-268.44	-714.87	823.76	778.86	44.89	18.349	
6,400.00	6,382.65	6,416.16	6,363.73	22.46	24.66	-90.41	-269.95	-718.58	826.98	781.35	45.63	18.122	
6,500.00	6,482.65	6,531.64	6,479.19	22.81	25.05	-90.45	-270.59	-720.13	828.33	781.98	46.36	17.869	
6,600.00	6,582.65	6,635.10	6,582.65	23.15	25.37	-90.45	-270.61	-720.19	828.38	781.34	47.04	17.612	
6,700.00	6,682.65	6,735.10	6,682.65	23.50	25.69	-90.45	-270.61	-720.19	828.38	780.67	47.71	17.363	
6,800.00	6,782.65	6,835.10	6,782.65	23.84	26.00	-90.45	-270.61	-720.19	828.38	780.00	48.38	17.121	
6,900.00	6,882.65	6,935.10	6,882.65	24.19	26.32	-90.45	-270.61	-720.19	828.38	779.32	49.06	16.885	
7,000.00	6,982.65	7,035.10	6,982.65	24.54	26.63	-90.45	-270.61	-720.19	828.38	778.64	49.74	16.655	
7,100.00	7,082.65	7,135.10	7,082.65	24.88	26.95	-90.45	-270.61	-720.19	828.38	777.97	50.41	16.431	
7,200.00	7,182.65	7,235.10	7,182.65	25.23	27.27	-90.45	-270.61	-720.19	828.38	777.29	51.09	16.213	
7,300.00	7,282.65	7,335.10	7,282.65	25.58	27.59	-90.45	-270.61	-720.19	828.38	776.61	51.77	16.000	
7,400.00	7,382.65	7,435.10	7,382.65	25.93	27.91	-90.45	-270.61	-720.19	828.38	775.93	52.45	15.792	
7,500.00	7,482.65	7,535.10	7,482.65	26.28	28.23	-90.45	-270.61	-720.19	828.38	775.24	53.14	15.590	
7,600.00	7,582.65	7,635.10	7,582.65	26.63	28.56	-90.45	-270.61	-720.19	828.38	774.56	53.82	15.392	
7,700.00	7,682.65	7,735.10	7,682.65	26.97	28.88	-90.45	-270.61	-720.19	828.38	773.88	54.50	15.199	
7,800.00	7,782.65	7,835.10	7,782.65	27.32	29.20	-90.45	-270.61	-720.19	828.38	773.19	55.19	15.010	
7,900.00	7,882.65	7,935.10	7,882.65	27.67	29.53	-90.45	-270.61	-720.19	828.38	772.51	55.87	14.826	
8,000.00	7,982.65	8,035.10	7,982.65	28.02	29.85	-90.45	-270.61	-720.19	828.38	771.82	56.56	14.646	
8,100.00	8,082.65	8,135.10	8,082.65	28.37	30.18	-90.45	-270.61	-720.19	828.38	771.13	57.25	14.470	
8,200.00	8,182.65	8,235.10	8,182.65	28.72	30.51	-90.45	-270.61	-720.19	828.38	770.45	57.93	14.298	
8,300.00	8,282.65	8,335.10	8,282.65	29.07	30.84	-90.45	-270.61	-720.19	828.38	769.76	58.62	14.131	
8,400.00	8,382.65	8,435.10	8,382.65	29.42	31.16	-90.45	-270.61	-720.19	828.38	769.07	59.31	13.966	
8,500.00	8,482.65	8,535.10	8,482.65	29.78	31.49	-90.45	-270.61	-720.19	828.38	768.38	60.00	13.806	
8,600.00	8,582.65	8,635.10	8,582.65	30.13	31.82	-90.45	-270.61	-720.19	828.38	767.69	60.69	13.649	
8,700.00	8,682.65	8,735.10	8,682.65	30.48	32.15	-90.45	-270.61	-720.19	828.38	767.00	61.38	13.495	
8,800.00	8,782.65	8,816.37	8,763.71	30.83	32.42	-90.13	-266.00	-720.96	829.34	767.31	62.03	13.369	
8,900.00	8,882.65	8,891.15	8,836.63	31.18	32.65	-89.03	-250.04	-723.62	833.17	770.55	62.63	13.304	
9,000.00	8,982.65	8,959.43	8,900.28	31.53	32.84	-87.38	-225.81	-727.65	840.74	777.63	63.10	13.323	
9,100.00	9,082.65	9,019.66	8,953.02	31.88	32.99	-85.45	-197.21	-732.42	853.15	789.75	63.40	13.457	
9,200.00	9,182.65	9,075.00	8,997.92	32.24	33.11	-83.34	-165.34	-737.73	871.44	807.98	63.46	13.731	
9,300.00	9,282.65	9,115.87	9,028.51	32.59	33.18	-81.61	-138.63	-742.18	896.33	833.18	63.16	14.192	
9,400.00	9,382.65	9,150.00	9,052.21	32.94	33.23	-80.06	-114.41	-746.22	928.20	865.67	62.53	14.843	
9,500.00	9,482.65	9,185.34	9,074.83	33.29	33.28	-78.39	-87.64	-750.68	966.98	905.24	61.74	15.662	
9,600.00	9,582.65	9,212.54	9,090.84	33.64	33.31	-77.06	-65.95	-754.29	1,012.40	951.70	60.70	16.679	
9,700.00	9,682.65	9,235.87	9,103.56	34.00	33.33	-75.90	-46.66	-757.50	1,063.95	1,004.42	59.53	17.872	
9,800.00	9,782.65	9,250.00	9,110.79	34.35	33.35	-75.19	-34.69	-759.50	1,121.09	1,062.89	58.21	19.261	
9,900.00	9,882.65	9,275.00	9,122.70	34.70	33.37	-73.93	-13.01	-763.11	1,183.08	1,125.99	57.09	20.723	
10,000.00	9,982.65	9,288.82	9,128.78	35.06	33.38	-73.22	-0.77	-765.15	1,249.44	1,193.57	55.87	22.362	
10,100.00	10,082.65	9,300.00	9,133.43	35.41	33.39	-72.65	9.26	-766.82	1,319.59	1,264.88	54.71	24.118	
10,200.00	10,182.65	9,314.24	9,139.02	35.76	33.40	-71.93	22.18	-768.98	1,393.01	1,339.31	53.71	25.938	
10,300.00	10,282.65	9,325.00	9,142.97	36.12	33.41	-71.38	32.05	-770.62	1,469.29	1,416.53	52.76	27.848	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 21H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	10,382.65	9,334.41	9,146.25	36.47	33.41	-70.90	40.75	-772.07	1,548.04	1,496.12	51.91	29.821	
10,500.00	10,482.65	9,350.00	9,151.29	36.82	33.42	-70.11	55.30	-774.49	1,628.99	1,577.74	51.25	31.788	
10,600.00	10,582.65	9,350.00	9,151.29	37.18	33.42	-70.11	55.30	-774.49	1,711.69	1,661.19	50.49	33.899	
10,700.00	10,682.65	9,350.00	9,151.29	37.53	33.42	-70.11	55.30	-774.49	1,796.15	1,746.30	49.85	36.035	
10,800.00	10,782.65	9,364.23	9,155.47	37.88	33.43	-69.39	68.72	-776.73	1,881.89	1,832.44	49.44	38.062	
10,900.00	10,882.65	9,375.00	9,158.37	38.24	33.44	-68.85	78.95	-778.43	1,968.98	1,919.90	49.08	40.120	
11,000.00	10,982.65	9,375.00	9,158.37	38.59	33.44	-68.85	78.95	-778.43	2,057.12	2,008.44	48.68	42.259	
11,100.00	11,082.65	9,375.00	9,158.37	38.95	33.44	-68.85	78.95	-778.43	2,146.30	2,097.95	48.35	44.390	
11,200.00	11,182.65	9,375.00	9,158.37	39.30	33.44	-68.85	78.95	-778.43	2,236.39	2,188.30	48.09	46.506	
11,300.00	11,282.65	9,389.37	9,161.86	39.65	33.45	-68.13	92.69	-780.72	2,327.05	2,279.05	48.00	48.479	
11,400.00	11,382.65	9,400.00	9,164.18	40.01	33.46	-67.60	102.93	-782.43	2,418.57	2,370.64	47.93	50.462	
11,500.00	11,482.65	9,400.00	9,164.18	40.36	33.46	-67.60	102.93	-782.43	2,510.61	2,462.80	47.81	52.507	
11,600.00	11,582.65	9,400.00	9,164.18	40.72	33.46	-67.60	102.93	-782.43	2,603.24	2,555.50	47.74	54.525	
11,700.00	11,682.65	9,400.00	9,164.18	41.07	33.46	-67.60	102.93	-782.43	2,696.40	2,648.69	47.71	56.513	
11,800.00	11,782.65	9,400.00	9,164.18	41.43	33.46	-67.60	102.93	-782.43	2,790.03	2,742.31	47.72	58.471	
11,900.00	11,882.65	9,400.00	9,164.18	41.78	33.46	-67.60	102.93	-782.43	2,884.09	2,836.33	47.75	60.397	
12,000.00	11,982.65	9,412.24	9,166.56	42.14	33.46	-67.00	114.78	-784.40	2,978.36	2,930.46	47.89	62.189	
12,100.00	12,082.36	9,425.00	9,168.71	42.48	33.47	-46.81	127.18	-786.47	3,072.18	3,024.15	48.04	63.954	
12,200.00	12,178.84	9,425.00	9,168.71	42.80	33.47	-32.21	127.18	-786.47	3,160.75	3,112.68	48.07	65.752	
12,300.00	12,267.88	9,425.00	9,168.71	43.09	33.47	-24.55	127.18	-786.47	3,240.88	3,192.80	48.08	67.413	
12,400.00	12,345.60	9,438.34	9,170.60	43.32	33.49	-20.17	140.21	-788.64	3,309.58	3,261.45	48.13	68.768	
12,500.00	12,408.60	9,450.00	9,171.94	43.53	33.50	-17.60	151.63	-790.54	3,364.56	3,316.40	48.16	69.857	
12,600.00	12,454.13	9,450.00	9,171.94	43.71	33.50	-16.09	151.63	-790.54	3,404.16	3,355.98	48.18	70.660	
12,700.00	12,480.22	9,475.00	9,173.88	43.86	33.52	-15.39	176.21	-794.64	3,426.77	3,378.45	48.32	70.914	
12,800.00	12,491.65	9,475.00	9,173.88	44.02	33.52	-15.21	176.21	-794.64	3,437.91	3,389.45	48.47	70.936	
12,900.00	12,493.50	9,499.49	9,174.51	44.18	33.55	-15.22	200.36	-798.66	3,442.11	3,393.37	48.74	70.618	
13,000.00	12,493.50	9,625.29	9,174.51	44.39	33.78	-15.49	324.87	-816.61	3,445.77	3,396.50	49.27	69.941	
13,100.00	12,493.50	9,772.84	9,174.50	44.65	34.22	-15.70	471.73	-830.67	3,448.13	3,398.26	49.87	69.137	
13,200.00	12,493.50	9,921.33	9,174.50	44.95	34.79	-15.79	620.06	-837.17	3,449.11	3,398.59	50.52	68.272	
13,300.00	12,493.50	10,030.87	9,174.50	45.30	35.29	-15.79	729.59	-838.16	3,449.13	3,398.01	51.11	67.478	
13,400.00	12,493.50	10,130.87	9,174.50	45.68	35.79	-15.79	829.58	-838.93	3,449.13	3,397.39	51.73	66.671	
13,500.00	12,493.50	10,230.87	9,174.50	46.11	36.35	-15.79	929.58	-839.70	3,449.12	3,396.72	52.40	65.822	
13,600.00	12,493.50	10,330.87	9,174.50	46.58	36.95	-15.79	1,029.58	-840.47	3,449.12	3,396.01	53.11	64.939	
13,700.00	12,493.50	10,430.87	9,174.50	47.09	37.60	-15.79	1,129.58	-841.24	3,449.11	3,395.24	53.87	64.027	
13,800.00	12,493.50	10,530.87	9,174.50	47.63	38.30	-15.79	1,229.57	-842.01	3,449.11	3,394.44	54.67	63.092	
13,900.00	12,493.50	10,630.87	9,174.50	48.22	39.03	-15.79	1,329.57	-842.78	3,449.11	3,393.60	55.51	62.138	
14,000.00	12,493.50	10,730.87	9,174.50	48.83	39.80	-15.79	1,429.57	-843.55	3,449.10	3,392.72	56.38	61.172	
14,100.00	12,493.50	10,830.87	9,174.50	49.49	40.61	-15.79	1,529.56	-844.32	3,449.10	3,391.80	57.30	60.197	
14,200.00	12,493.50	10,930.87	9,174.50	50.17	41.45	-15.79	1,629.56	-845.09	3,449.10	3,390.85	58.24	59.218	
14,300.00	12,493.50	11,030.87	9,174.50	50.89	42.32	-15.79	1,729.56	-845.86	3,449.09	3,389.87	59.22	58.237	
14,400.00	12,493.50	11,130.87	9,174.50	51.63	43.22	-15.79	1,829.55	-846.63	3,449.09	3,388.85	60.24	57.259	
14,500.00	12,493.50	11,230.87	9,174.50	52.41	44.15	-15.79	1,929.55	-847.40	3,449.08	3,387.81	61.28	56.286	
14,600.00	12,493.30	11,330.87	9,174.50	53.21	45.11	-15.79	2,029.55	-848.17	3,448.89	3,386.54	62.35	55.317	
14,700.00	12,492.48	11,430.86	9,174.50	54.04	46.09	-15.79	2,129.54	-848.94	3,448.10	3,384.65	63.44	54.348	
14,800.00	12,491.66	11,530.86	9,174.50	54.89	47.09	-15.79	2,229.54	-849.71	3,447.30	3,382.74	64.57	53.390	
14,900.00	12,490.84	11,630.86	9,174.50	55.77	48.12	-15.80	2,329.53	-850.48	3,446.51	3,380.80	65.71	52.446	
15,000.00	12,490.02	11,730.85	9,174.50	56.67	49.17	-15.80	2,429.52	-851.25	3,445.72	3,378.83	66.88	51.517	
15,100.00	12,488.99	11,830.85	9,174.50	57.60	50.23	-15.81	2,529.51	-852.02	3,444.72	3,376.65	68.08	50.600	
15,200.00	12,487.23	11,930.83	9,174.50	58.54	51.31	-15.82	2,629.50	-852.79	3,443.02	3,373.73	69.29	49.689	
15,300.00	12,485.46	12,030.82	9,174.50	59.51	52.42	-15.82	2,729.48	-853.55	3,441.32	3,370.79	70.52	48.796	
15,400.00	12,483.69	12,130.80	9,174.50	60.50	53.53	-15.83	2,829.46	-854.32	3,439.61	3,367.84	71.78	47.921	
15,500.00	12,481.93	12,230.78	9,174.50	61.50	54.66	-15.84	2,929.44	-855.09	3,437.91	3,364.86	73.05	47.064	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 21H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

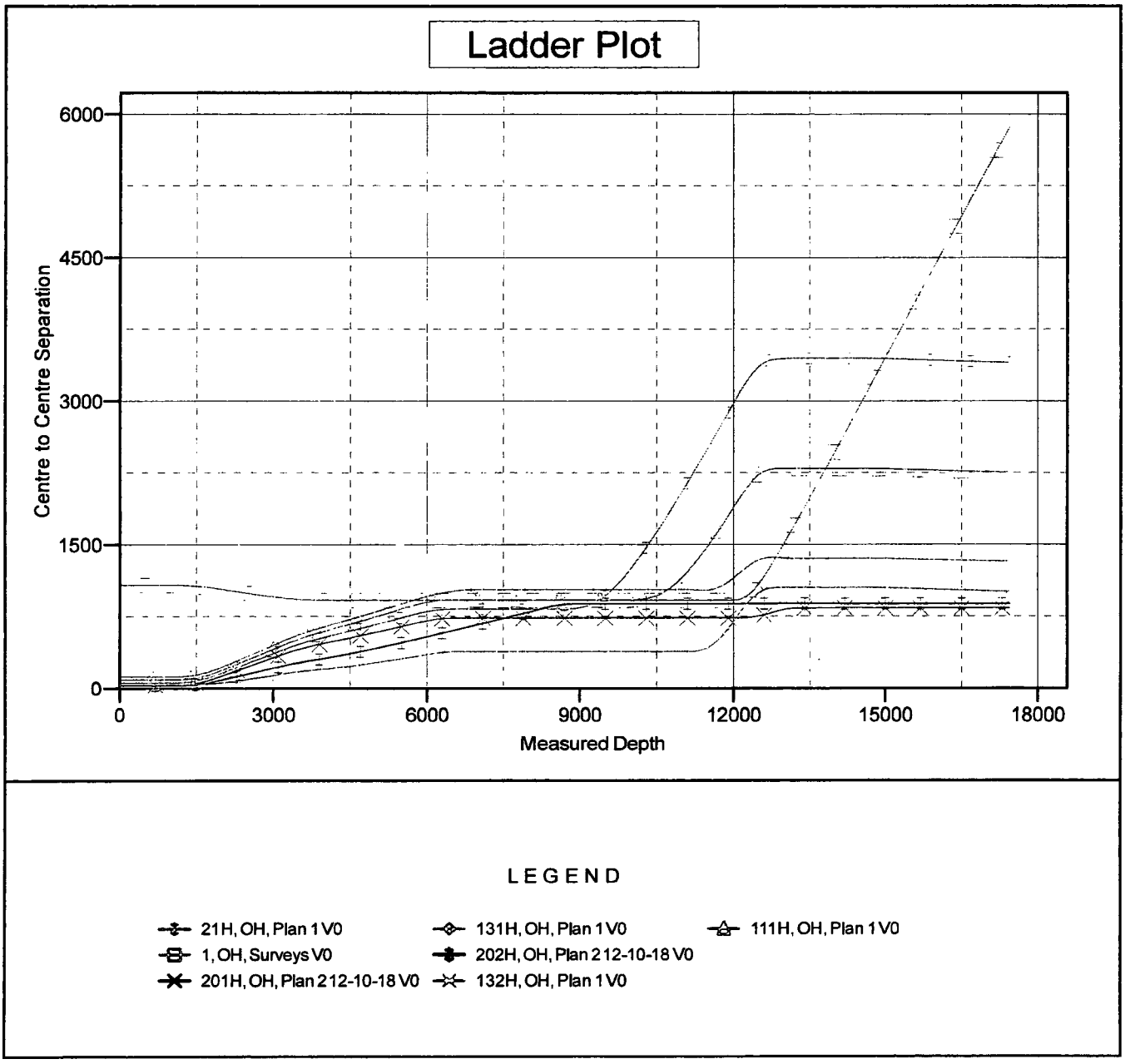
Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.00	12,480.16	12,330.77	9,174.50	62.52	55.81	-15.85	3,029.42	-855.86	3,436.21	3,361.87	74.34	46.226	
15,700.00	12,478.39	12,430.75	9,174.50	63.55	56.96	-15.85	3,129.40	-856.63	3,434.50	3,358.86	75.64	45.406	
15,800.00	12,476.63	12,530.74	9,174.50	64.61	58.14	-15.86	3,229.38	-857.40	3,432.80	3,355.84	76.96	44.606	
15,900.00	12,474.86	12,630.72	9,174.50	65.67	59.32	-15.87	3,329.37	-858.17	3,431.10	3,352.80	78.29	43.824	
16,000.00	12,473.10	12,730.71	9,174.50	66.75	60.51	-15.88	3,429.35	-858.94	3,429.39	3,349.75	79.64	43.061	
16,100.00	12,471.33	12,830.69	9,174.50	67.84	61.71	-15.89	3,529.33	-859.71	3,427.69	3,346.69	81.00	42.316	
16,200.00	12,469.56	12,930.68	9,174.50	68.95	62.93	-15.89	3,629.31	-860.48	3,425.99	3,343.61	82.38	41.590	
16,300.00	12,467.80	13,030.66	9,174.50	70.07	64.15	-15.90	3,729.29	-861.25	3,424.28	3,340.52	83.76	40.881	
16,400.00	12,466.03	13,130.64	9,174.50	71.20	65.38	-15.91	3,829.27	-862.02	3,422.58	3,337.42	85.16	40.190	
16,500.00	12,464.26	13,230.63	9,174.50	72.34	66.62	-15.92	3,929.25	-862.79	3,420.88	3,334.31	86.57	39.517	
16,600.00	12,462.50	13,330.61	9,174.50	73.49	67.86	-15.92	4,029.24	-863.56	3,419.18	3,331.19	87.99	38.860	
16,700.00	12,460.73	13,430.60	9,174.50	74.65	69.12	-15.93	4,129.22	-864.33	3,417.47	3,328.06	89.42	38.220	
16,800.00	12,458.96	13,530.58	9,174.50	75.82	70.38	-15.94	4,229.20	-865.10	3,415.77	3,324.92	90.86	37.596	
16,900.00	12,457.20	13,630.57	9,174.50	77.00	71.65	-15.95	4,329.18	-865.87	3,414.07	3,321.77	92.30	36.988	
17,000.00	12,455.43	13,730.55	9,174.50	78.18	72.92	-15.96	4,429.16	-866.64	3,412.37	3,318.61	93.76	36.395	
17,100.00	12,453.66	13,830.53	9,174.50	79.38	74.20	-15.96	4,529.14	-867.41	3,410.66	3,315.44	95.22	35.817	
17,200.00	12,451.90	13,930.52	9,174.50	80.58	75.48	-15.97	4,629.12	-868.18	3,408.96	3,312.26	96.70	35.254	
17,300.00	12,450.13	14,030.50	9,174.50	81.79	76.77	-15.98	4,729.11	-868.95	3,407.26	3,309.08	98.18	34.705	
17,400.00	12,448.36	14,130.49	9,174.50	83.01	78.07	-15.99	4,829.09	-869.72	3,405.56	3,305.89	99.67	34.169	
17,448.95	12,447.50	14,179.43	9,174.50	83.61	78.71	-15.99	4,878.03	-870.10	3,404.72	3,304.33	100.40	33.912	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB @ 3338.50usft (Patterson 241)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 19' 60.00000 W

Coordinates are relative to: 215H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°

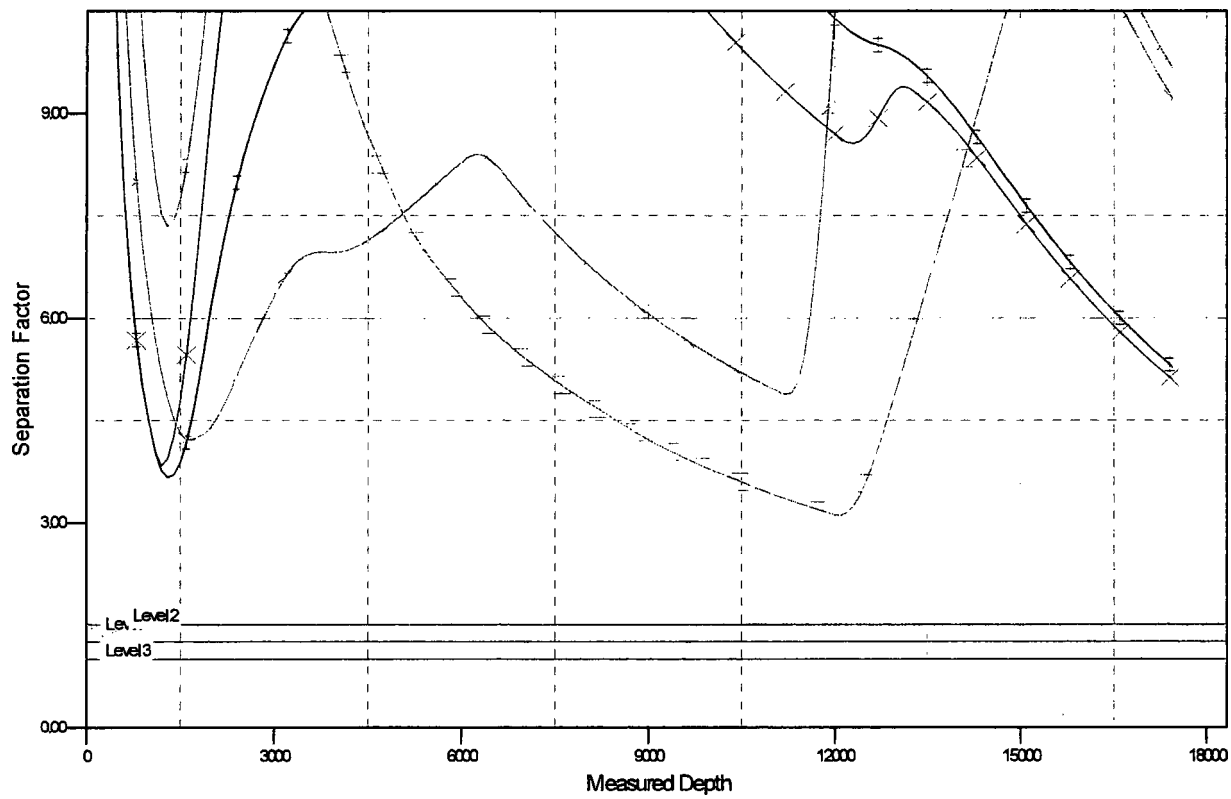


Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 215H
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3338.50usft (Patterson 241)
Reference Site:	Leslie Fed Com	**MD Reference:**	RKB @ 3338.50usft (Patterson 241)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	215H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	USA Compass
Reference Design:	Plan 2 12-10-18	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB @ 3338.50usft (Patterson 241)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 19' 60.00000 W

Coordinates are relative to: 215H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°

Separation Factor Plot



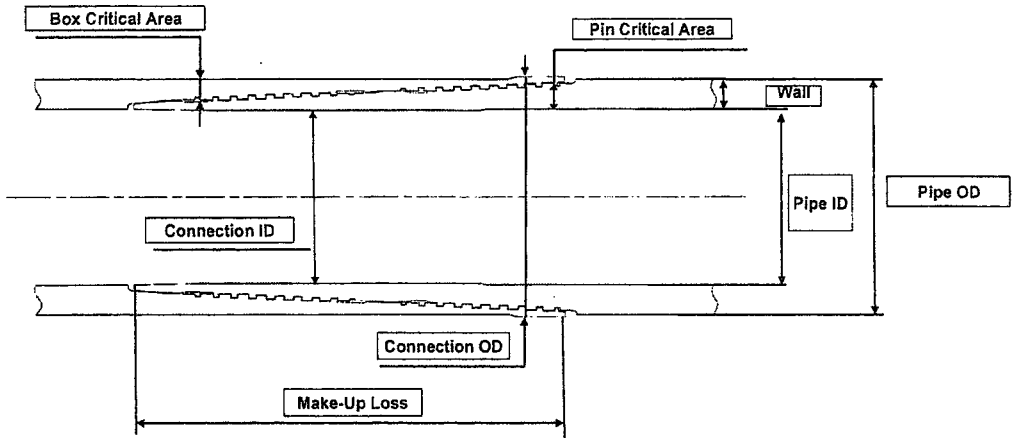
LEGEND

- 21H, OH, Plan 1 V0
- 131H, OH, Plan 1 V0
- 111H, OH, Plan 1 V0
- 1, OH, Surveys V0
- 202H, OH, Plan 2 12-10-18 V0
- 201H, OH, Plan 2 12-10-18 V0
- 132H, OH, Plan 1 V0

CONNECTION DATA SHEET (Imperial Units)

Connection: VAM® HTF-NR 7,625" 29,70# P110EC
Alternate Drift: 6,750"

Drawing: PD-101836P PD-101836B **Isolated connection**



OD	WEIGHT	WALL	GRADE	API DRIFT
7,625"	29,70 lb/ft	0,375"	P110EC	6,750"

PIPE BODY PROPERTIES:

Outside Diameter	*inch*	7,625
Internal Diameter	*inch*	6,875
Nominal Area	*sqin*	8,541
Yield Strength	*klb*	1 068
Ultimate Strength	*klb*	1 153
MIYP	*psi*	10 760
Collapse Pressure	*psi*	5 670

CONNECTION PROPERTIES:

Connection OD (nom)	*inch*	7,701
Connection ID	*inch*	6,782
Coupling Length	*inch*	N/A
Make-up Loss	*inch*	4,657
Box critical area	*%PBYS*	58%
Pin critical area	*%PBYS*	67%
Yield Strength	*klb*	619
Ultimate strength	*klb*	669
Structural compression	*klb*	776
Compression with sealability	*klb*	371
MIYP	*psi*	10 760
Ext Pressure Resistance	*psi*	5 670
Regular Make-up Torque	*ft.lb*	
	Min	9 600
	Opt	11 300
	Max	13 000
Maximum Torque with Sealability	*ft.lb*	58 500
Maximum Torsional Value	*ft.lb*	73 000

vallourec

Designed by :
X. MENCAGLIA

Reference: VRCC16-1177
Revision : 0
Date : July 19, 2016

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY
LEASE NO.:	NMNM136226
WELL NAME & NO.:	215H – LESLIE FEDERAL COM
SURFACE HOLE FOOTAGE:	295'/S & 1162'/W
BOTTOM HOLE FOOTAGE	100'/N & 1268'/W
LOCATION:	Section 17.,T25S., R.35E., NMP
COUNTY:	LEA County, New Mexico

Potash	◉ None	○ Secretary	○ R-111-P
Cave/Karst Potential	◉ Low	○ Medium	○ High
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	○ Conventional	◉ Multibowl	
Other	☐4 String Area	☐Capitan Reef	☐WIPP

All previous COAs still apply, except for the following:

A. CASING

1. The **13 3/8** inch surface casing shall be set at approximately **950** feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    d. If cement falls back, remedial cementing will be done prior to drilling out that string.

    First intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The minimum required fill of cement behind the **9 5/8** inch first intermediate casing is:
    - Cement to surface. If cement does not circulate see B.1.a, c-d above.

Second intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

3. The minimum required fill of cement behind the **7 5/8** inch second intermediate casing is:

    - Cement as proposed. Operator shall provide method of verification.

4. The minimum required fill of cement behind the **5 1/2** inch production casing is:

    - Cement as proposed. Operator shall provide method of verification.

MHH 12272018

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

☒ Chaves and Roosevelt Counties
Call the Roswell Field Office, 2909 West Second St., Roswell NM 88201.
During office hours call (575) 627-0272.
After office hours call (575)

☒ Eddy County
Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

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	[2]Pool Code	[3]Pool Name
300025-44546	17980	Dogie Draw; Wofcamp

[4]Property Code	[5]Property Name	[6]Well Number
320549	LESLIE FED COM	#215H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3313'

[10]Surface Location

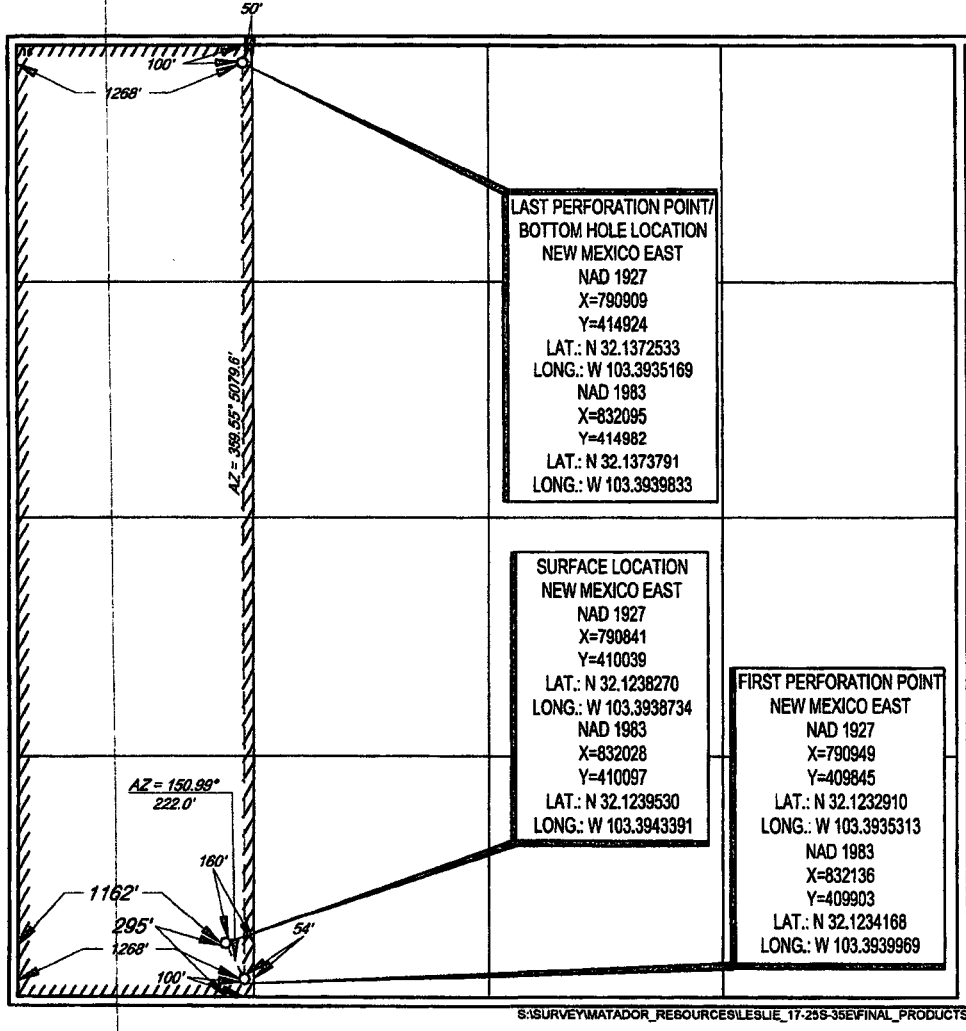
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	17	25-S	35-E	-	295'	SOUTH	1162'	WEST	LEA

[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
D	17	25-S	35-E	-	100'	NORTH	1268'	WEST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
160			

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.



[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 12/10/2018 Date

Tammy R. Link
Printed Name

tlink@matadorresources.com
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 to the best of my belief.

11/08/2018
Date of Survey
Signature and Seal of Professional Surveyor

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\LESLIE_17-25S-35E\FINAL_PRODUCTS\LO_LESLIE_FED_COM_215H_REV5.DWG 12/4/2018 2:17:44 PM cgafford