District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011

Permit 362780

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	873
	3. API Number 30-015-55002

4. Property Code	5. Property Name	6. Well No.
335857	CAMACHO 25 26 STATE COM	202H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	25	19S	27E		2512	S	750	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	26	19S	27E	E	1873	N	50	W	Eddy

9. Pool Information

WINCHESTER; BONE SPRING, WEST	97569

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3470
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	17880	2nd Bone Spring Sand		8/11/2024
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	400	212	0
Int1	12.25	9.625	40	3000	579	0
Prod	8.5	5.5	20	17880	2758	400

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	1500	
Double Ram	3000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:		**OIL CONSERVATION DIVISION**	
Printed Name:	Electronically filed by Sorina Flores	Approved By:	Ward Rikala
Title:	Supv of Drilling Services	Title:	
Email Address:	sorina.flores@apachecorp.com	Approved Date: 5/7/2024	Expiration Date: 5/7/2026
Date: 5/2/2024	Phone: 432-818-1167	Conditions of Approval Attached	

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015- 55002	97569	WINCHESTER; BONE SPRING, WEST

Property Code	Property Name	Well Number
335857	CAMACHO 25 26 STATE COM	202H
OGRID No.	**Operator Name**	**Elevation**
873	APACHE COPRORATION	3470'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	25	19-S	27-E	-	2512'	SOUTH	750'	EAST	EDDY

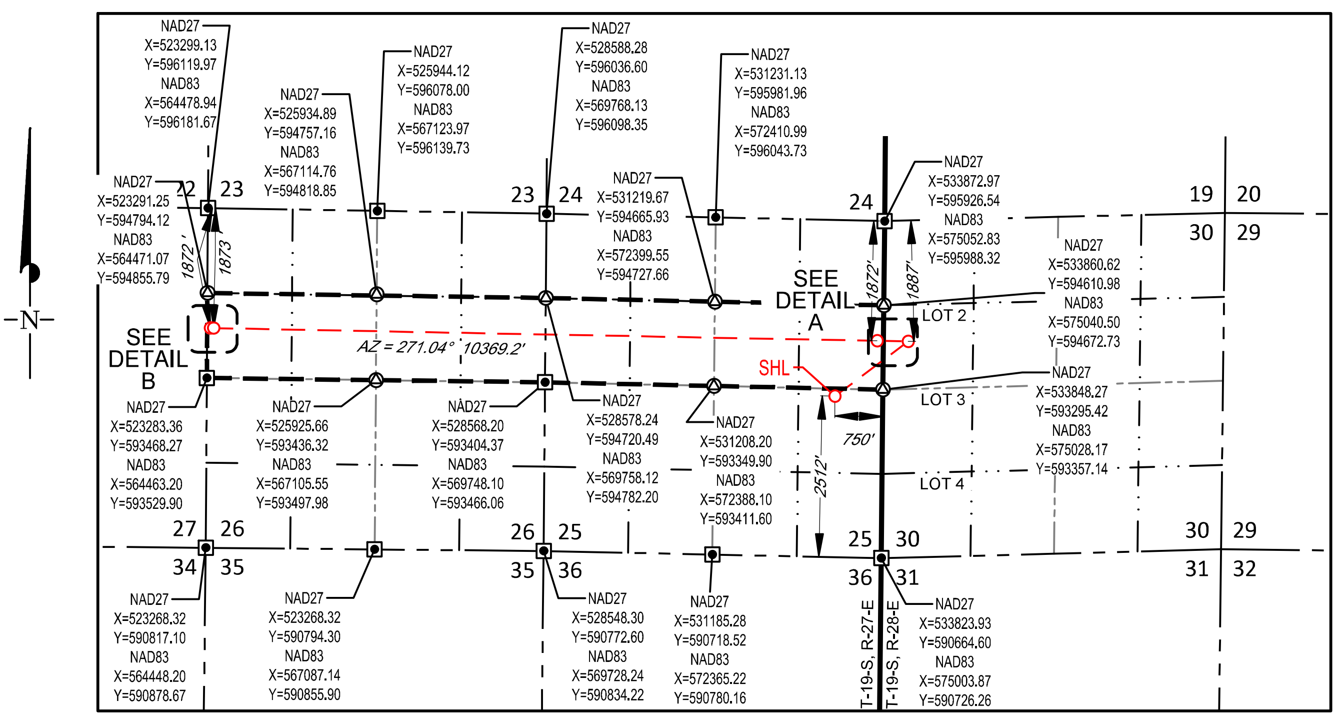
Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	26	19-S	27-E	-	1873'	NORTH	50'	WEST	EDDY

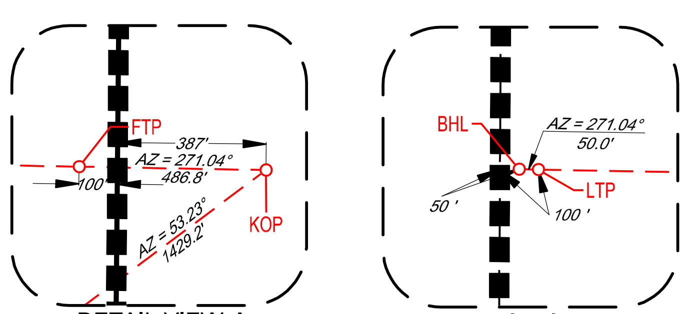
Dedicated Acres	Joint or Infill	Consolidated Code	Order No.
320			

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.

SURFACE LOCATION (SHL)	KICK OFF POINT (KOP)	FIRST TAKE POINT (FTP)	LAST TAKE POINT (LTP)	BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST	NEW MEXICO EAST	NEW MEXICO EAST	NEW MEXICO EAST	NEW MEXICO EAST
NAD 1983	NAD 1983	NAD 1983	NAD 1983	NAD 1983
X=574277 Y=593254	X=575422 Y=594110	X=574935 Y=594118	X=564568 Y=594308	X=564518 Y=594308
LAT.: N 32.6308591	LAT.: N 32.6332077	LAT.: N 32.6332335	LAT.: N 32.6337779	LAT.: N 32.6337805
LONG.: W 104.2263331	LONG.: W 104.2226114	LONG.: W 104.2241924	LONG.: W 104.278703	LONG.: W 104.2580327
NAD 1927	NAD 1927	NAD 1927	NAD 1927	NAD 1927
X=533097 Y=593192	X=534242 Y=594048	X=533755 Y=594057	X=523388 Y=594246	X=523338 Y=594247
LAT.: N 32.6307426	LAT.: N 32.6330912	LAT.: N 32.6331170	LAT.: N 32.6336617	LAT.: N 32.6336643
LONG.: W 104.2258237	LONG.: W 104.2221020	LONG.: W 104.2236830	LONG.: W 104.2573601	LONG.: W 104.2575225
2512' FSL 750' FEL	1887' FNL 387' FWL	1872' FNL 100' FEL	1873' FNL 100' FWL	1872' FNL 50' FWL



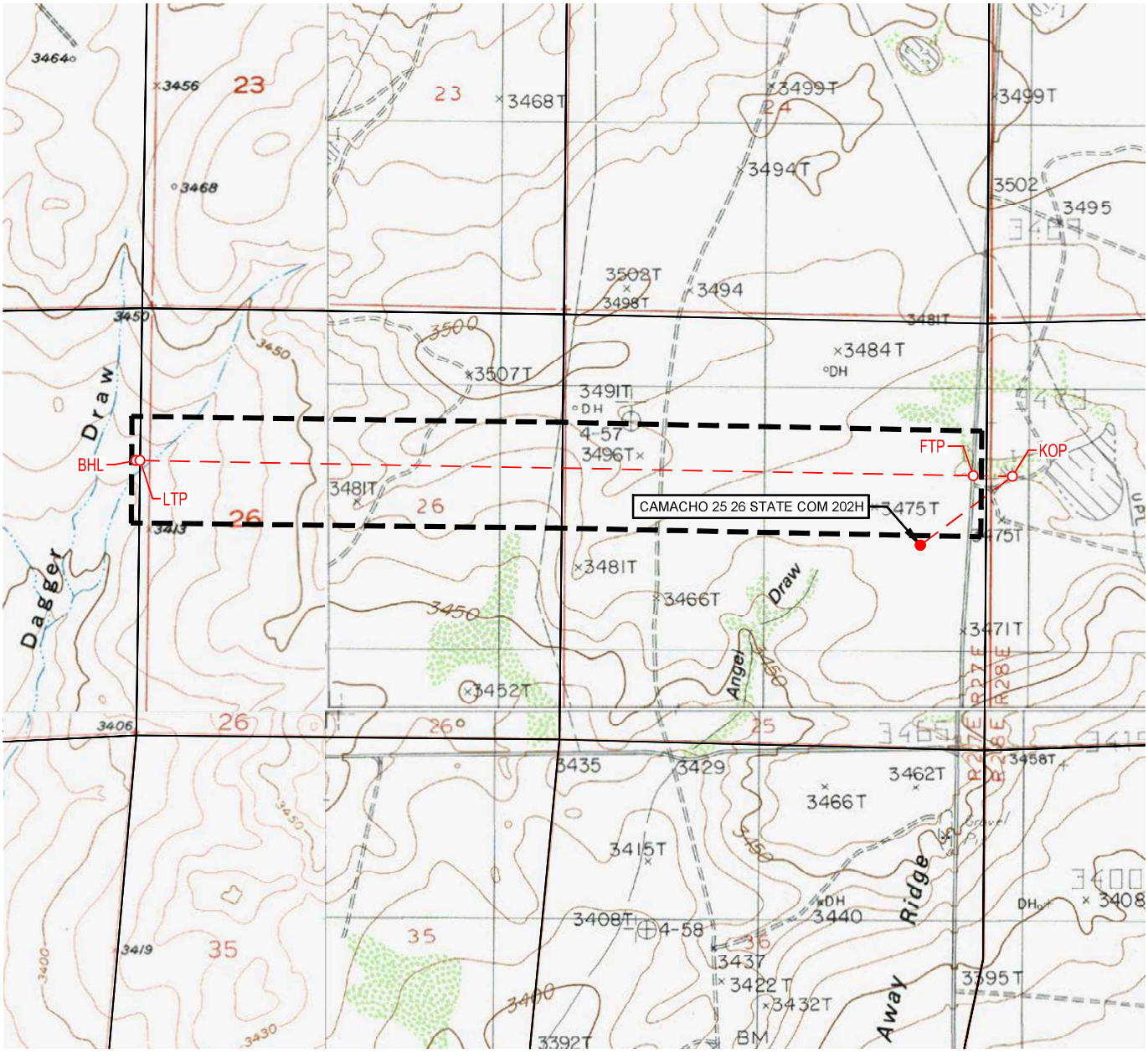
OPERATOR CERTIFICATION	SURVEYORS CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*
Sorina L Flores 5/1/24	03/09/2024
Signature Date	Date of Survey
Sorina L Flores	Signature and Seal of Professional Surveyor:
Print Name	ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR
sorina.flores@apachecorp.com	
E-mail Address	



DETAIL VIEW A
SCALE: 1" = 500'

DETAIL VIEW B
SCALE: 1" = 500'

LOCATION & ELEVATION VERIFICATION MAP



Apache

LEASE NAME & WELL NO.: CAMACHO 25 26 STATE COM 202H

SECTION 25 TWP 19-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM ELEVATION 3470'
DESCRIPTION 2512' FSL & 750' FEL

LATITUDE N 32.6308591 LONGITUDE W 104.2263331

N

SCALE: 1" = 2000'
0' 1000' 2000'

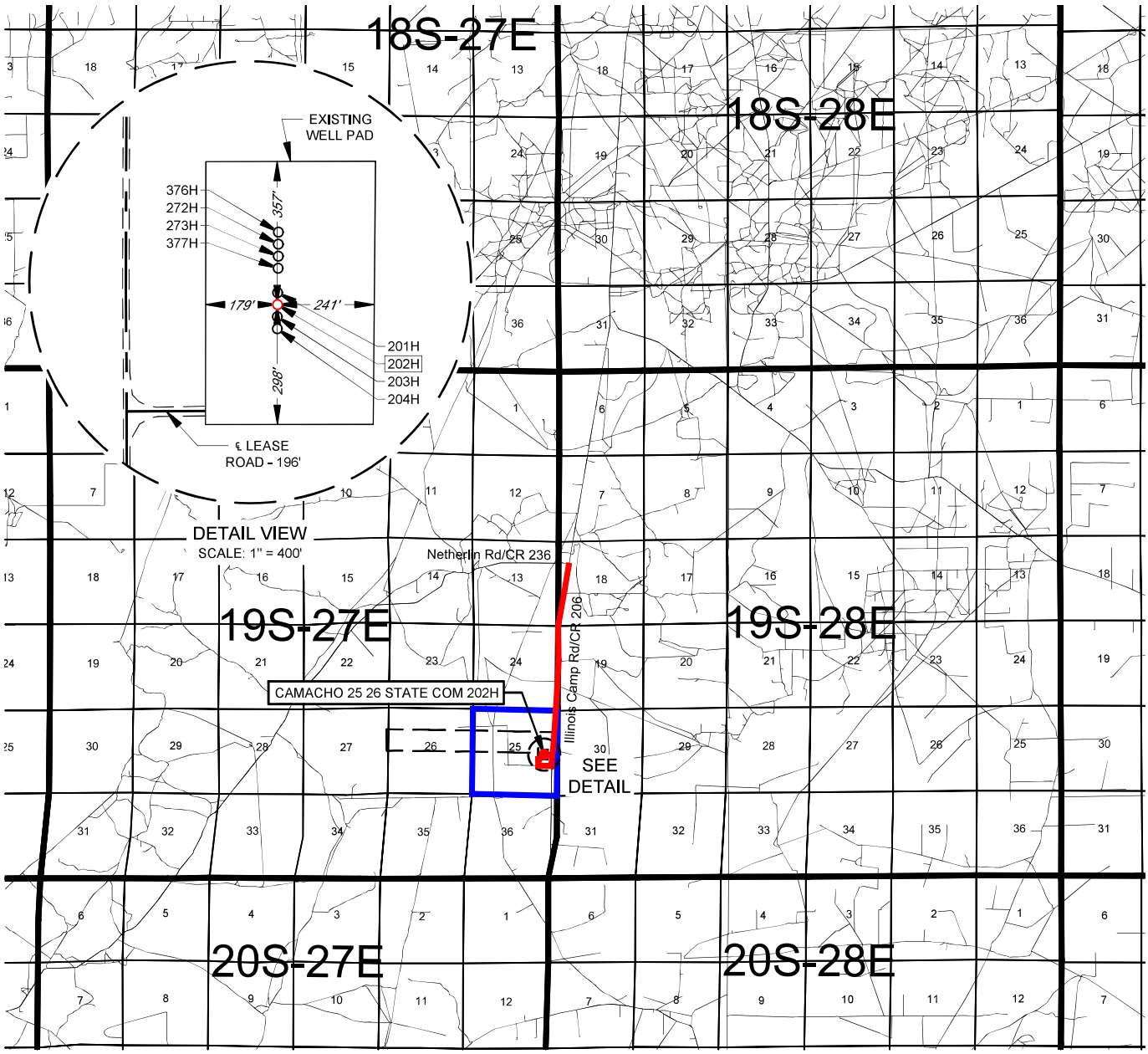
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY APACHE CORPORATION. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

EXHIBIT 2

VICINITY MAP



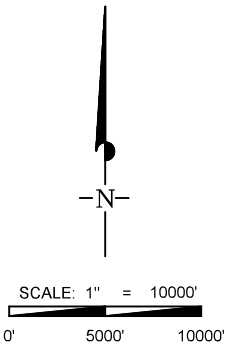
Apache

LEASE NAME & WELL NO.: CAMACHO 25 26 STATE COM 202H

SECTION 25 TWP 19-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 2512' FSL & 750' FEL

DISTANCE & DIRECTION

FROM INT. OF NETHERLIN RD/ CR-236, & ILLINOIS CAMP RD/ CR-206, GO SOUTH ON ILLINOIS CAMP RD/ CR-206 ±2.4 MILES, THENCE WEST (RIGHT) ON EDDY COMP ±0.2 MILES, THENCE NORTH (RIGHT) ON A LEASE RD ±488 FEET, THENCE EAST (RIGHT) ON A LEASE RD, ±196 FEET TO A POINT ±319 FEET SOUTHWEST OF THE LOCATION.



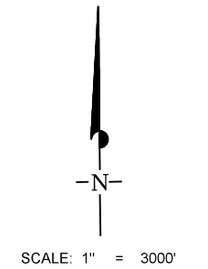
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY APACHE CORPORATION. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

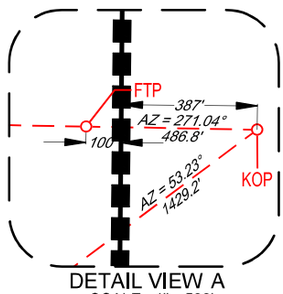
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

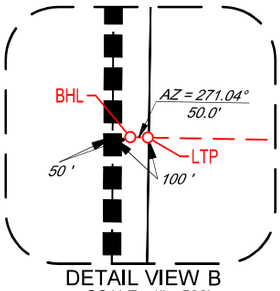
EXHIBIT 2A

SECTION 25, TOWNSHIP 19-S, RANGE 27-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

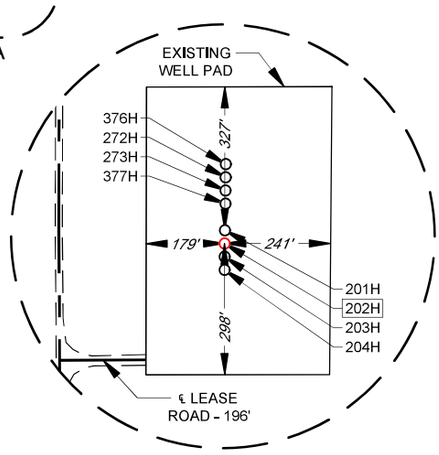




DETAIL VIEW A
SCALE: 1" = 500'



DETAIL VIEW B
SCALE: 1" = 500'



DETAIL VIEW C
SCALE: 1" = 400'

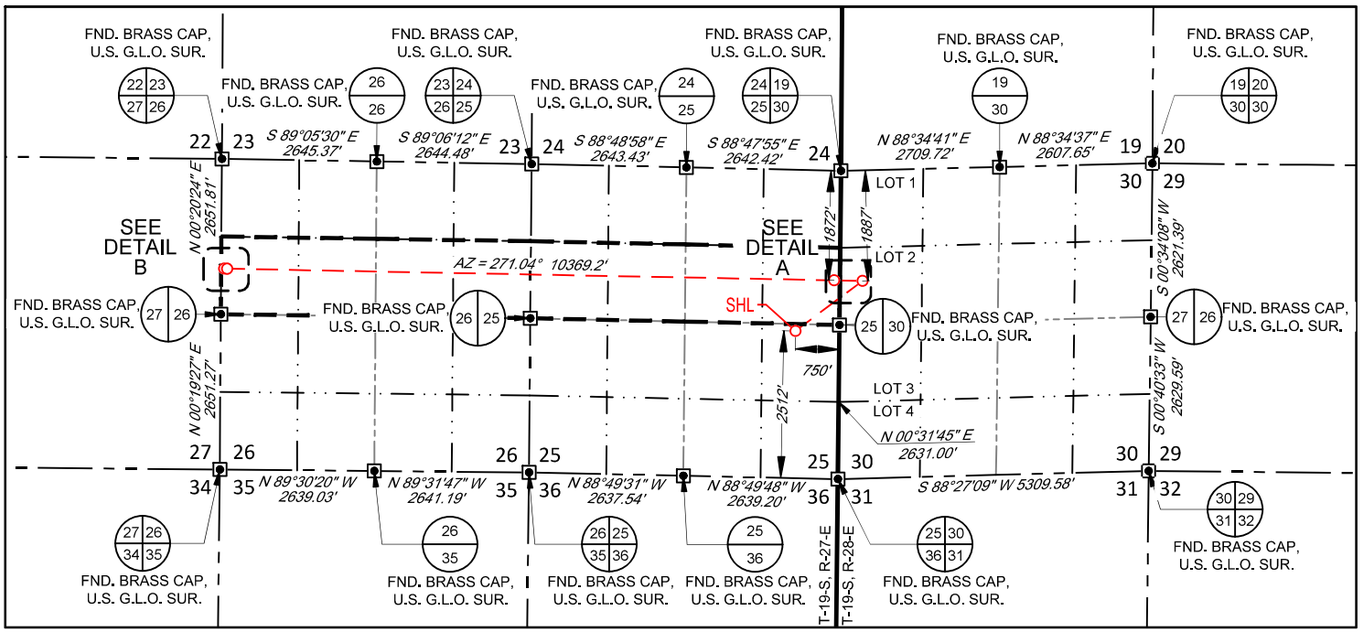
SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=574277 Y=593254
LAT.: N 32.6308591
LONG.: W 104.2263331
2512' FSL 750' FEL

KICK OFF POINT (KOP)
NEW MEXICO EAST
NAD 1983
X=575422 Y=594110
LAT.: N 32.6332077
LONG.: W 104.2226114
1887' FNL 387' FWL

FIRST TAKE POINT (FTP)
NEW MEXICO EAST
NAD 1983
X=574935 Y=594118
LAT.: N 32.6332335
LONG.: W 104.2241924
1872' FNL 100' FEL

LAST TAKE POINT (LTP)
NEW MEXICO EAST
NAD 1983
X=564568 Y=594308
LAT.: N 32.6337779
LONG.: W 104.278703
1873' FNL 100' FWL

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=564518 Y=594308
LAT.: N 32.6337805
LONG.: W 104.2580327
1872' FNL 50' FWL



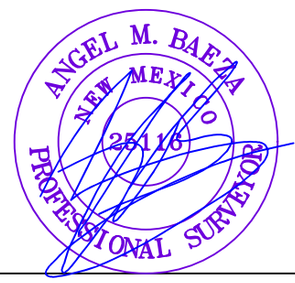
LEASE NAME & WELL NO.: CAMACHO 25 26 STATE COM 202H

SECTION 25 TWP 19-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 2512' FSL & 750' FEL

DISTANCE & DIRECTION
FROM INT. OF NETHERLIN RD/ CR-236, & ILLINOIS CAMP RD/ CR-206, GO SOUTH ON ILLINOIS CAMP RD/ CR-206 ±2.4 MILES, THENCE WEST (RIGHT) ON EDDY COMP ±0.2 MILES, THENCE NORTH (RIGHT) ON A LEASE RD ±488 FEET, THENCE EAST (RIGHT) ON A LEASE RD. ±196 FEET TO A POINT ±319 FEET SOUTHWEST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY APACHE CORPORATION. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



Angel M. Baeza, P.S. No. 25116

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

S:\SURVEY\APACHE_CORPORATION\CAMACHO_25-26_STATE_COM_REVISED_C-102S_SSE_EXHIBITS\FINAL_PRODUCTS\LO_CAMACHO_25 26_STATE_COM_202H.DWG 4/24/2024 12:23:24 PM joey.duncan

EXHIBIT 2B

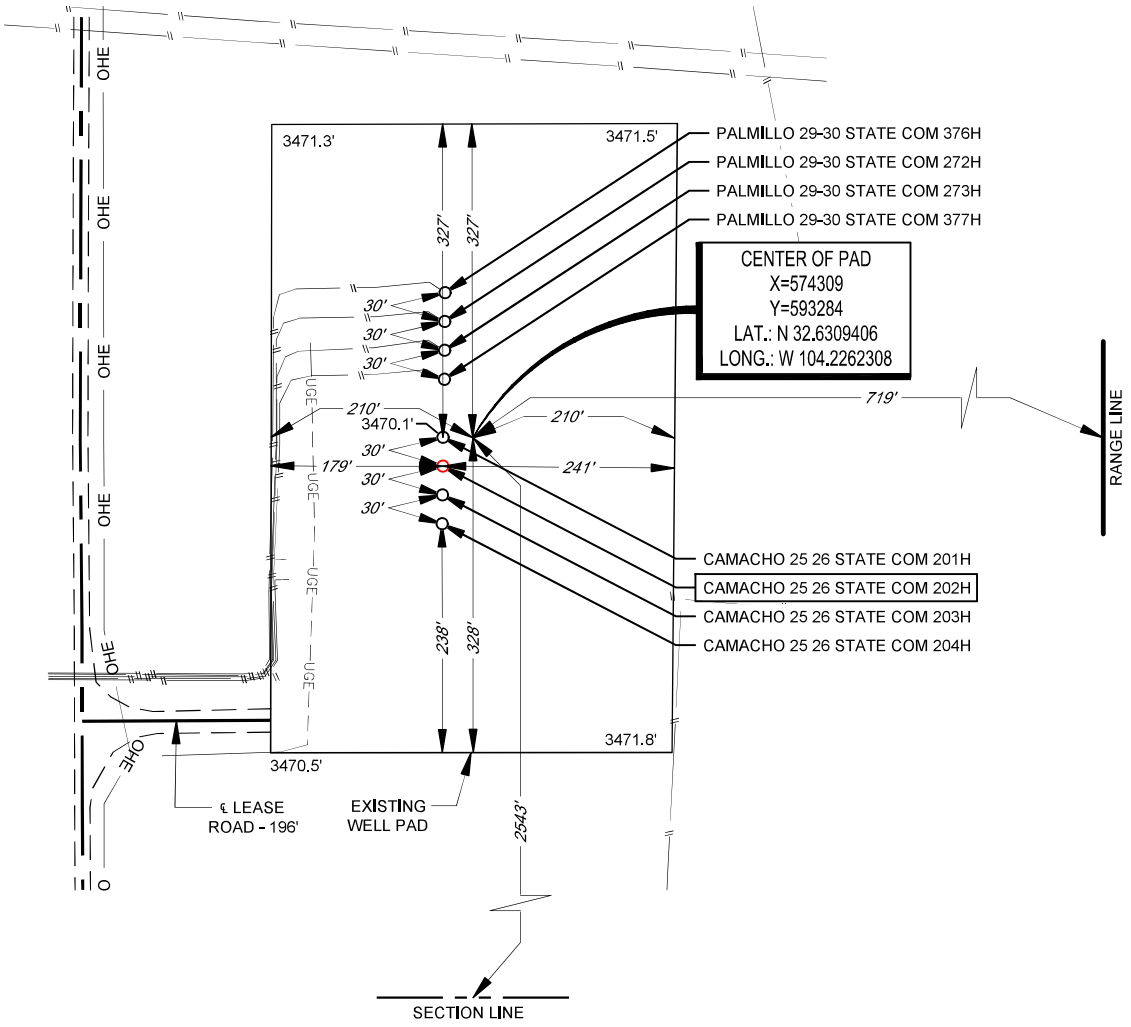
Apache

SECTION 25, TOWNSHIP 19-S, RANGE 27-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 200'

LEGEND

- TOWNSHIP/RANGE LINE
- SECTION LINE
- OHE — OVERHEAD ELECTRIC
- UGE — UNDERGROUND ELECTRIC
- LEASE ROAD CENTERLINE
- ROAD WAY



LEASE NAME & WELL NO.: CAMACHO 25 26 STATE COM 202H

202H LATITUDE N 32.6308591 202H LONGITUDE W 104.2263331

CENTER OF PAD IS 2543' FSL & 719' FEL

ANGEL M. BAEZA
NEW MEXICO
25116
PROFESSIONAL SURVEYOR

Angel M. Baeza, P.S. No. 25116

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY APACHE CORPORATION. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

N

SCALE: 1" = 200'

0' 100' 200'

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

S:\SURVEY\APACHE CORPORATION\CAMACHO_25-26_STATE_COM_REVISED_C-102S_SSE_EXHIBITS\FINAL_PRODUCTS\LO_CAMACHO_25 26_STATE_COM_202H.DWG 4/24/2024 12:23:25 PM joey.duncan

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Conditions

Permit 362780

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
APACHE CORPORATION [873] 303 Veterans Airpark Ln Midland, TX 79705	30-015-55002
	Well: CAMACHO 25 26 STATE COM #202H

OCD Reviewer	Condition
ward.rikala	Notify OCD 24 hours prior to casing & cement
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
ward.rikala	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

Apache Corporation

Eddy Co, NM (NAD83 NM E)
Camacho 25 26 (Middle)
Camacho 25-26 State Com 202H

OH

Plan: Plan #1

Standard Planning Report

01 March, 2024

Plan #1

Project: Eddy Co, NM (NAD83 NM E)
Site: Camacho 25 26 (Middle)
Well: Camacho 25-26 State Com 202H
Wellbore: OH
Design: Plan #1
Lat: 32.630862
Long: -104.226331
GL: 3470.00
KB: RKB=30ft @ 3500.00usft

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
C202_LTP	6886.00	1053.49	-9706.91	594308.49	564570.89	Point
C202_FTP	7034.00	864.42	660.56	594119.42	574938.36	Point

WELL DETAILS: Camacho 25-26 State Com 202H

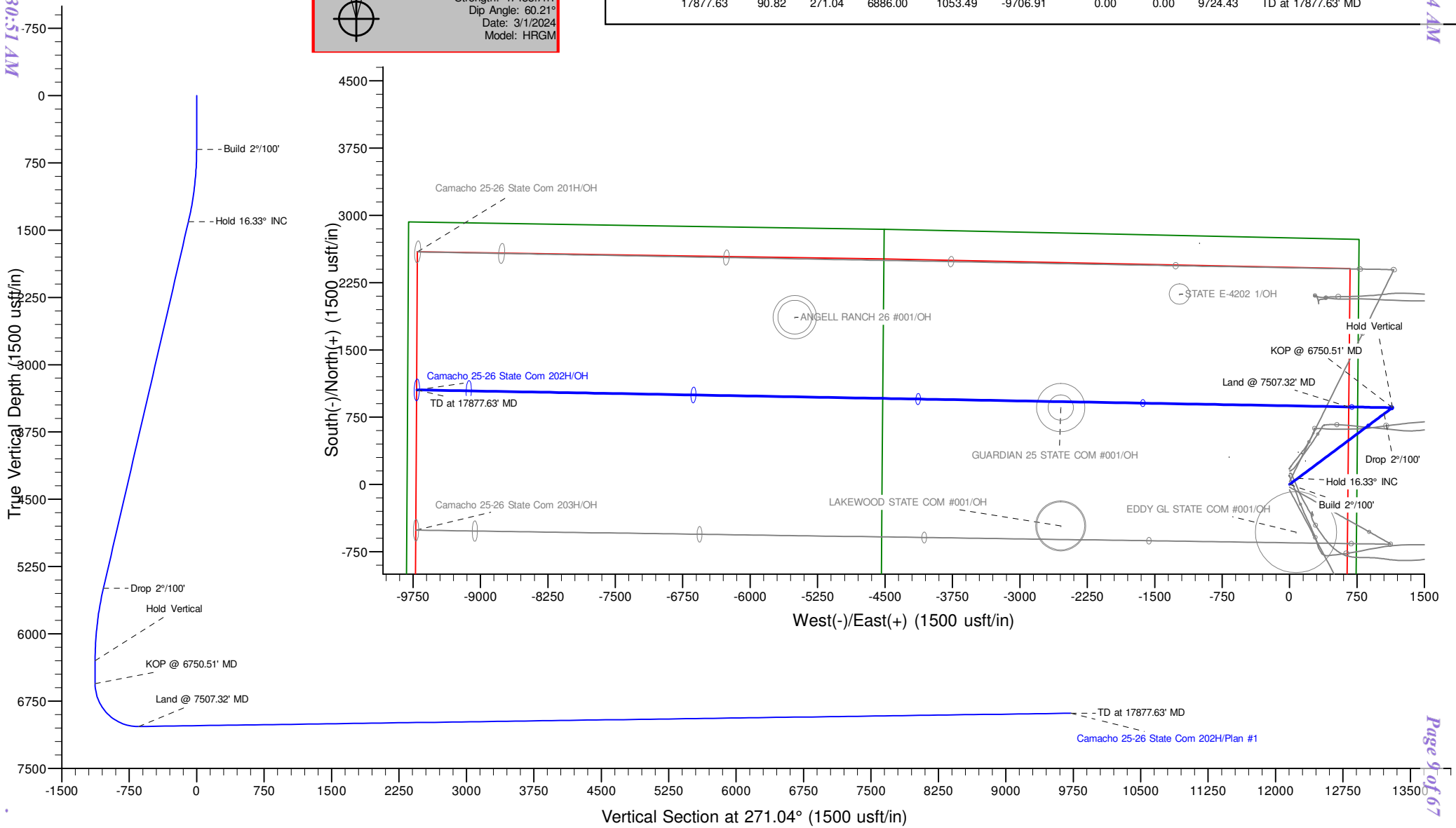
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	593255.00	574277.80	32.630862	-104.226331

Azimuths to Grid North
True North: -0.06°
Magnetic North: 6.72°

Magnetic Field
Strength: 47433.7nT
Dip Angle: 60.21°
Date: 3/1/2024
Model: HRGM

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	Build 2°/100'
1416.53	16.33	53.23	1405.52	69.19	92.58	2.00	53.23	-91.31	Hold 16.33° INC
5677.40	16.33	53.23	5494.48	786.42	1052.24	0.00	0.00	-1037.79	Drop 2°/100'
6493.92	0.00	0.00	6300.00	855.61	1144.82	2.00	180.00	-1129.10	Hold Vertical
6750.51	0.00	0.00	6556.58	855.61	1144.82	0.00	0.00	-1129.10	KOP @ 6750.51' MD
7507.32	90.82	271.04	7034.00	864.44	660.62	12.00	271.04	-644.82	Land @ 7507.32' MD
17877.63	90.82	271.04	6886.00	1053.49	-9706.91	0.00	0.00	9724.43	TD at 17877.63' MD



Planning Report

Database:	Fhartmann	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Company:	Apache Corporation	**TVD Reference:**	RKB=30ft @ 3500.00usft
Project:	Eddy Co, NM (NAD83 NM E)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site:	Camacho 25 26 (Middle)	**North Reference:**	Grid
Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project Eddy Co, NM (NAD83 NM E)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Camacho 25 26 (Middle), Site Center : Camacho 25-26 State com 201H

Site Position:		**Northing:**	593,284.90 usft	**Latitude:**	32.630944
From:	Map	**Easting:**	574,278.00 usft	**Longitude:**	-104.226331
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well Camacho 25-26 State Com 202H

Well Position	**+N/-S**	0.00 usft	**Northing:**	593,255.00 usft	**Latitude:**	32.630862
	+E/-W	0.00 usft	**Easting:**	574,277.80 usft	**Longitude:**	-104.226331
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,470.00 usft
Grid Convergence:		0.06 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	3/1/2024	6.78	60.21	47,433.65933954

Design Plan #1

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	271.04

Plan Survey Tool Program **Date** 3/1/2024

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,877.63	Plan #1 (OH)	SuperiorQC MWD+IFR1+SAG	
				OWSG MWD + IFR1 + Sag + F	

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	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,416.53	16.33	53.23	1,405.52	69.19	92.58	2.00	2.00	0.00	53.23	
5,677.40	16.33	53.23	5,494.48	786.42	1,052.24	0.00	0.00	0.00	0.00	
6,493.92	0.00	0.00	6,300.00	855.61	1,144.82	2.00	-2.00	0.00	180.00	
6,750.51	0.00	0.00	6,556.58	855.61	1,144.82	0.00	0.00	0.00	0.00	
7,507.32	90.82	271.04	7,034.00	864.44	660.62	12.00	12.00	-11.75	271.04	
17,877.63	90.82	271.04	6,886.00	1,053.49	-9,706.91	0.00	0.00	0.00	0.00	C202_LTP

Planning Report

Database:	Fhartmann	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Company:	Apache Corporation	**TVD Reference:**	RKB=30ft @ 3500.00usft
Project:	Eddy Co, NM (NAD83 NM E)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site:	Camacho 25 26 (Middle)	**North Reference:**	Grid
Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 2°/100'									
700.00	2.00	53.23	699.98	1.04	1.40	-1.38	2.00	2.00	0.00
800.00	4.00	53.23	799.84	4.18	5.59	-5.51	2.00	2.00	0.00
900.00	6.00	53.23	899.45	9.40	12.57	-12.40	2.00	2.00	0.00
1,000.00	8.00	53.23	998.70	16.69	22.33	-22.03	2.00	2.00	0.00
1,100.00	10.00	53.23	1,097.47	26.06	34.86	-34.38	2.00	2.00	0.00
1,200.00	12.00	53.23	1,195.62	37.48	50.15	-49.46	2.00	2.00	0.00
1,300.00	14.00	53.23	1,293.06	50.94	68.16	-67.23	2.00	2.00	0.00
1,400.00	16.00	53.23	1,389.64	66.44	88.89	-87.67	2.00	2.00	0.00
1,416.53	16.33	53.23	1,405.52	69.19	92.58	-91.31	2.00	2.00	0.00
Hold 16.33° INC									
1,500.00	16.33	53.23	1,485.62	83.24	111.38	-109.85	0.00	0.00	0.00
1,600.00	16.33	53.23	1,581.59	100.08	133.90	-132.06	0.00	0.00	0.00
1,700.00	16.33	53.23	1,677.55	116.91	156.42	-154.28	0.00	0.00	0.00
1,800.00	16.33	53.23	1,773.52	133.74	178.95	-176.49	0.00	0.00	0.00
1,900.00	16.33	53.23	1,869.48	150.57	201.47	-198.70	0.00	0.00	0.00
2,000.00	16.33	53.23	1,965.45	167.41	223.99	-220.92	0.00	0.00	0.00
2,100.00	16.33	53.23	2,061.42	184.24	246.52	-243.13	0.00	0.00	0.00
2,200.00	16.33	53.23	2,157.38	201.07	269.04	-265.34	0.00	0.00	0.00
2,300.00	16.33	53.23	2,253.35	217.91	291.56	-287.56	0.00	0.00	0.00
2,400.00	16.33	53.23	2,349.31	234.74	314.08	-309.77	0.00	0.00	0.00
2,500.00	16.33	53.23	2,445.28	251.57	336.61	-331.98	0.00	0.00	0.00
2,600.00	16.33	53.23	2,541.24	268.40	359.13	-354.20	0.00	0.00	0.00
2,700.00	16.33	53.23	2,637.21	285.24	381.65	-376.41	0.00	0.00	0.00
2,800.00	16.33	53.23	2,733.17	302.07	404.17	-398.62	0.00	0.00	0.00
2,900.00	16.33	53.23	2,829.14	318.90	426.70	-420.84	0.00	0.00	0.00
3,000.00	16.33	53.23	2,925.10	335.74	449.22	-443.05	0.00	0.00	0.00
3,100.00	16.33	53.23	3,021.07	352.57	471.74	-465.26	0.00	0.00	0.00
3,200.00	16.33	53.23	3,117.04	369.40	494.26	-487.48	0.00	0.00	0.00
3,300.00	16.33	53.23	3,213.00	386.23	516.79	-509.69	0.00	0.00	0.00
3,400.00	16.33	53.23	3,308.97	403.07	539.31	-531.90	0.00	0.00	0.00
3,500.00	16.33	53.23	3,404.93	419.90	561.83	-554.12	0.00	0.00	0.00
3,600.00	16.33	53.23	3,500.90	436.73	584.35	-576.33	0.00	0.00	0.00
3,700.00	16.33	53.23	3,596.86	453.57	606.88	-598.54	0.00	0.00	0.00
3,800.00	16.33	53.23	3,692.83	470.40	629.40	-620.76	0.00	0.00	0.00
3,900.00	16.33	53.23	3,788.79	487.23	651.92	-642.97	0.00	0.00	0.00
4,000.00	16.33	53.23	3,884.76	504.06	674.45	-665.18	0.00	0.00	0.00
4,100.00	16.33	53.23	3,980.73	520.90	696.97	-687.40	0.00	0.00	0.00
4,200.00	16.33	53.23	4,076.69	537.73	719.49	-709.61	0.00	0.00	0.00
4,300.00	16.33	53.23	4,172.66	554.56	742.01	-731.83	0.00	0.00	0.00
4,400.00	16.33	53.23	4,268.62	571.40	764.54	-754.04	0.00	0.00	0.00
4,500.00	16.33	53.23	4,364.59	588.23	787.06	-776.25	0.00	0.00	0.00
4,600.00	16.33	53.23	4,460.55	605.06	809.58	-798.47	0.00	0.00	0.00
4,700.00	16.33	53.23	4,556.52	621.89	832.10	-820.68	0.00	0.00	0.00
4,800.00	16.33	53.23	4,652.48	638.73	854.63	-842.89	0.00	0.00	0.00
4,900.00	16.33	53.23	4,748.45	655.56	877.15	-865.11	0.00	0.00	0.00

Planning Report

Database:	Fhartmann	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Company:	Apache Corporation	**TVD Reference:**	RKB=30ft @ 3500.00usft
Project:	Eddy Co, NM (NAD83 NM E)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site:	Camacho 25 26 (Middle)	**North Reference:**	Grid
Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.00	16.33	53.23	4,844.42	672.39	899.67	-887.32	0.00	0.00	0.00
5,100.00	16.33	53.23	4,940.38	689.23	922.19	-909.53	0.00	0.00	0.00
5,200.00	16.33	53.23	5,036.35	706.06	944.72	-931.75	0.00	0.00	0.00
5,300.00	16.33	53.23	5,132.31	722.89	967.24	-953.96	0.00	0.00	0.00
5,400.00	16.33	53.23	5,228.28	739.72	989.76	-976.17	0.00	0.00	0.00
5,500.00	16.33	53.23	5,324.24	756.56	1,012.28	-998.39	0.00	0.00	0.00
5,600.00	16.33	53.23	5,420.21	773.39	1,034.81	-1,020.60	0.00	0.00	0.00
5,677.40	16.33	53.23	5,494.48	786.42	1,052.24	-1,037.79	0.00	0.00	0.00
Drop 2°/100'									
5,700.00	15.88	53.23	5,516.20	790.17	1,057.26	-1,042.74	2.00	-2.00	0.00
5,800.00	13.88	53.23	5,612.84	805.54	1,077.83	-1,063.03	2.00	-2.00	0.00
5,900.00	11.88	53.23	5,710.32	818.88	1,095.68	-1,080.64	2.00	-2.00	0.00
6,000.00	9.88	53.23	5,808.52	830.18	1,110.80	-1,095.54	2.00	-2.00	0.00
6,100.00	7.88	53.23	5,907.32	839.42	1,123.16	-1,107.74	2.00	-2.00	0.00
6,200.00	5.88	53.23	6,006.59	846.59	1,132.75	-1,117.20	2.00	-2.00	0.00
6,300.00	3.88	53.23	6,106.22	851.68	1,139.56	-1,123.92	2.00	-2.00	0.00
6,400.00	1.88	53.23	6,206.09	854.69	1,143.58	-1,127.88	2.00	-2.00	0.00
6,493.92	0.00	0.00	6,300.00	855.61	1,144.82	-1,129.10	2.00	-2.00	-56.67
Hold Vertical									
6,500.00	0.00	0.00	6,306.08	855.61	1,144.82	-1,129.10	0.00	0.00	0.00
6,600.00	0.00	0.00	6,406.08	855.61	1,144.82	-1,129.10	0.00	0.00	0.00
6,700.00	0.00	0.00	6,506.08	855.61	1,144.82	-1,129.10	0.00	0.00	0.00
6,750.51	0.00	0.00	6,556.58	855.61	1,144.82	-1,129.10	0.00	0.00	0.00
KOP @ 6750.51' MD									
6,775.00	2.94	271.04	6,581.07	855.62	1,144.19	-1,128.47	12.00	12.00	0.00
6,800.00	5.94	271.04	6,605.99	855.66	1,142.26	-1,126.54	12.00	12.00	0.00
6,825.00	8.94	271.04	6,630.77	855.72	1,139.02	-1,123.30	12.00	12.00	0.00
6,850.00	11.94	271.04	6,655.36	855.80	1,134.49	-1,118.77	12.00	12.00	0.00
6,875.00	14.94	271.04	6,679.67	855.90	1,128.68	-1,112.96	12.00	12.00	0.00
6,900.00	17.94	271.04	6,703.65	856.03	1,121.61	-1,105.89	12.00	12.00	0.00
6,925.00	20.94	271.04	6,727.22	856.18	1,113.29	-1,097.57	12.00	12.00	0.00
6,950.00	23.94	271.04	6,750.32	856.36	1,103.75	-1,088.03	12.00	12.00	0.00
6,975.00	26.94	271.04	6,772.90	856.55	1,093.02	-1,077.29	12.00	12.00	0.00
7,000.00	29.94	271.04	6,794.88	856.77	1,081.11	-1,065.39	12.00	12.00	0.00
7,025.00	32.94	271.04	6,816.20	857.01	1,068.08	-1,052.35	12.00	12.00	0.00
7,050.00	35.94	271.04	6,836.82	857.27	1,053.94	-1,038.21	12.00	12.00	0.00
7,075.00	38.94	271.04	6,856.67	857.54	1,038.75	-1,023.01	12.00	12.00	0.00
7,100.00	41.94	271.04	6,875.69	857.84	1,022.54	-1,006.80	12.00	12.00	0.00
7,125.00	44.94	271.04	6,893.84	858.15	1,005.35	-989.61	12.00	12.00	0.00
7,150.00	47.94	271.04	6,911.07	858.48	987.24	-971.50	12.00	12.00	0.00
7,175.00	50.94	271.04	6,927.32	858.83	968.26	-952.51	12.00	12.00	0.00
7,200.00	53.94	271.04	6,942.56	859.19	948.44	-932.69	12.00	12.00	0.00
7,225.00	56.94	271.04	6,956.74	859.57	927.86	-912.11	12.00	12.00	0.00
7,250.00	59.94	271.04	6,969.83	859.95	906.56	-890.81	12.00	12.00	0.00
7,275.00	62.94	271.04	6,981.78	860.35	884.61	-868.85	12.00	12.00	0.00
7,300.00	65.94	271.04	6,992.56	860.77	862.07	-846.30	12.00	12.00	0.00
7,325.00	68.94	271.04	7,002.15	861.19	838.99	-823.22	12.00	12.00	0.00
7,350.00	71.94	271.04	7,010.52	861.62	815.44	-799.66	12.00	12.00	0.00
7,375.00	74.94	271.04	7,017.65	862.05	791.48	-775.70	12.00	12.00	0.00
7,400.00	77.94	271.04	7,023.51	862.50	767.18	-751.40	12.00	12.00	0.00
7,425.00	80.94	271.04	7,028.09	862.94	742.61	-726.83	12.00	12.00	0.00
7,450.00	83.94	271.04	7,031.38	863.40	717.84	-702.05	12.00	12.00	0.00
7,475.00	86.94	271.04	7,033.37	863.85	692.92	-677.13	12.00	12.00	0.00

Planning Report

Database:	Fhartmann	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Company:	Apache Corporation	**TVD Reference:**	RKB=30ft @ 3500.00usft
Project:	Eddy Co, NM (NAD83 NM E)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site:	Camacho 25 26 (Middle)	**North Reference:**	Grid
Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,500.00	89.94	271.04	7,034.05	864.31	667.94	-652.14	12.00	12.00	0.00
7,507.32	90.82	271.04	7,034.00	864.44	660.62	-644.82	12.00	12.00	0.00
Land @ 7507.32' MD									
7,600.00	90.82	271.04	7,032.68	866.13	567.97	-552.15	0.00	0.00	0.00
7,700.00	90.82	271.04	7,031.25	867.95	467.99	-452.16	0.00	0.00	0.00
7,800.00	90.82	271.04	7,029.82	869.77	368.02	-352.17	0.00	0.00	0.00
7,900.00	90.82	271.04	7,028.40	871.60	268.05	-252.18	0.00	0.00	0.00
8,000.00	90.82	271.04	7,026.97	873.42	168.07	-152.19	0.00	0.00	0.00
8,100.00	90.82	271.04	7,025.54	875.24	68.10	-52.20	0.00	0.00	0.00
8,200.00	90.82	271.04	7,024.11	877.07	-31.87	47.79	0.00	0.00	0.00
8,300.00	90.82	271.04	7,022.69	878.89	-131.85	147.78	0.00	0.00	0.00
8,400.00	90.82	271.04	7,021.26	880.71	-231.82	247.77	0.00	0.00	0.00
8,500.00	90.82	271.04	7,019.83	882.54	-331.79	347.76	0.00	0.00	0.00
8,600.00	90.82	271.04	7,018.41	884.36	-431.77	447.75	0.00	0.00	0.00
8,700.00	90.82	271.04	7,016.98	886.18	-531.74	547.74	0.00	0.00	0.00
8,800.00	90.82	271.04	7,015.55	888.00	-631.71	647.73	0.00	0.00	0.00
8,900.00	90.82	271.04	7,014.12	889.83	-731.69	747.72	0.00	0.00	0.00
9,000.00	90.82	271.04	7,012.70	891.65	-831.66	847.71	0.00	0.00	0.00
9,100.00	90.82	271.04	7,011.27	893.47	-931.63	947.70	0.00	0.00	0.00
9,200.00	90.82	271.04	7,009.84	895.30	-1,031.60	1,047.68	0.00	0.00	0.00
9,300.00	90.82	271.04	7,008.42	897.12	-1,131.58	1,147.67	0.00	0.00	0.00
9,400.00	90.82	271.04	7,006.99	898.94	-1,231.55	1,247.66	0.00	0.00	0.00
9,500.00	90.82	271.04	7,005.56	900.77	-1,331.52	1,347.65	0.00	0.00	0.00
9,600.00	90.82	271.04	7,004.13	902.59	-1,431.50	1,447.64	0.00	0.00	0.00
9,700.00	90.82	271.04	7,002.71	904.41	-1,531.47	1,547.63	0.00	0.00	0.00
9,800.00	90.82	271.04	7,001.28	906.23	-1,631.44	1,647.62	0.00	0.00	0.00
9,900.00	90.82	271.04	6,999.85	908.06	-1,731.42	1,747.61	0.00	0.00	0.00
10,000.00	90.82	271.04	6,998.43	909.88	-1,831.39	1,847.60	0.00	0.00	0.00
10,100.00	90.82	271.04	6,997.00	911.70	-1,931.36	1,947.59	0.00	0.00	0.00
10,200.00	90.82	271.04	6,995.57	913.53	-2,031.34	2,047.58	0.00	0.00	0.00
10,300.00	90.82	271.04	6,994.14	915.35	-2,131.31	2,147.57	0.00	0.00	0.00
10,400.00	90.82	271.04	6,992.72	917.17	-2,231.28	2,247.56	0.00	0.00	0.00
10,500.00	90.82	271.04	6,991.29	919.00	-2,331.26	2,347.55	0.00	0.00	0.00
10,600.00	90.82	271.04	6,989.86	920.82	-2,431.23	2,447.54	0.00	0.00	0.00
10,700.00	90.82	271.04	6,988.44	922.64	-2,531.20	2,547.53	0.00	0.00	0.00
10,800.00	90.82	271.04	6,987.01	924.46	-2,631.18	2,647.52	0.00	0.00	0.00
10,900.00	90.82	271.04	6,985.58	926.29	-2,731.15	2,747.51	0.00	0.00	0.00
11,000.00	90.82	271.04	6,984.15	928.11	-2,831.12	2,847.50	0.00	0.00	0.00
11,100.00	90.82	271.04	6,982.73	929.93	-2,931.10	2,947.49	0.00	0.00	0.00
11,200.00	90.82	271.04	6,981.30	931.76	-3,031.07	3,047.48	0.00	0.00	0.00
11,300.00	90.82	271.04	6,979.87	933.58	-3,131.04	3,147.47	0.00	0.00	0.00
11,400.00	90.82	271.04	6,978.45	935.40	-3,231.02	3,247.46	0.00	0.00	0.00
11,500.00	90.82	271.04	6,977.02	937.23	-3,330.99	3,347.45	0.00	0.00	0.00
11,600.00	90.82	271.04	6,975.59	939.05	-3,430.96	3,447.44	0.00	0.00	0.00
11,700.00	90.82	271.04	6,974.16	940.87	-3,530.93	3,547.43	0.00	0.00	0.00
11,800.00	90.82	271.04	6,972.74	942.69	-3,630.91	3,647.42	0.00	0.00	0.00
11,900.00	90.82	271.04	6,971.31	944.52	-3,730.88	3,747.41	0.00	0.00	0.00
12,000.00	90.82	271.04	6,969.88	946.34	-3,830.85	3,847.40	0.00	0.00	0.00
12,100.00	90.82	271.04	6,968.46	948.16	-3,930.83	3,947.39	0.00	0.00	0.00
12,200.00	90.82	271.04	6,967.03	949.99	-4,030.80	4,047.38	0.00	0.00	0.00
12,300.00	90.82	271.04	6,965.60	951.81	-4,130.77	4,147.37	0.00	0.00	0.00
12,400.00	90.82	271.04	6,964.17	953.63	-4,230.75	4,247.36	0.00	0.00	0.00
12,500.00	90.82	271.04	6,962.75	955.46	-4,330.72	4,347.35	0.00	0.00	0.00
12,600.00	90.82	271.04	6,961.32	957.28	-4,430.69	4,447.34	0.00	0.00	0.00

Planning Report

Database:	Fhartmann	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Company:	Apache Corporation	**TVD Reference:**	RKB=30ft @ 3500.00usft
Project:	Eddy Co, NM (NAD83 NM E)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site:	Camacho 25 26 (Middle)	**North Reference:**	Grid
Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,700.00	90.82	271.04	6,959.89	959.10	-4,530.67	4,547.33	0.00	0.00	0.00
12,800.00	90.82	271.04	6,958.47	960.92	-4,630.64	4,647.32	0.00	0.00	0.00
12,900.00	90.82	271.04	6,957.04	962.75	-4,730.61	4,747.31	0.00	0.00	0.00
13,000.00	90.82	271.04	6,955.61	964.57	-4,830.59	4,847.30	0.00	0.00	0.00
13,100.00	90.82	271.04	6,954.18	966.39	-4,930.56	4,947.29	0.00	0.00	0.00
13,200.00	90.82	271.04	6,952.76	968.22	-5,030.53	5,047.28	0.00	0.00	0.00
13,300.00	90.82	271.04	6,951.33	970.04	-5,130.51	5,147.27	0.00	0.00	0.00
13,400.00	90.82	271.04	6,949.90	971.86	-5,230.48	5,247.26	0.00	0.00	0.00
13,500.00	90.82	271.04	6,948.48	973.69	-5,330.45	5,347.25	0.00	0.00	0.00
13,600.00	90.82	271.04	6,947.05	975.51	-5,430.43	5,447.24	0.00	0.00	0.00
13,700.00	90.82	271.04	6,945.62	977.33	-5,530.40	5,547.23	0.00	0.00	0.00
13,800.00	90.82	271.04	6,944.19	979.15	-5,630.37	5,647.22	0.00	0.00	0.00
13,900.00	90.82	271.04	6,942.77	980.98	-5,730.35	5,747.21	0.00	0.00	0.00
14,000.00	90.82	271.04	6,941.34	982.80	-5,830.32	5,847.20	0.00	0.00	0.00
14,100.00	90.82	271.04	6,939.91	984.62	-5,930.29	5,947.19	0.00	0.00	0.00
14,200.00	90.82	271.04	6,938.49	986.45	-6,030.26	6,047.18	0.00	0.00	0.00
14,300.00	90.82	271.04	6,937.06	988.27	-6,130.24	6,147.17	0.00	0.00	0.00
14,400.00	90.82	271.04	6,935.63	990.09	-6,230.21	6,247.16	0.00	0.00	0.00
14,500.00	90.82	271.04	6,934.20	991.92	-6,330.18	6,347.15	0.00	0.00	0.00
14,600.00	90.82	271.04	6,932.78	993.74	-6,430.16	6,447.14	0.00	0.00	0.00
14,700.00	90.82	271.04	6,931.35	995.56	-6,530.13	6,547.12	0.00	0.00	0.00
14,800.00	90.82	271.04	6,929.92	997.38	-6,630.10	6,647.11	0.00	0.00	0.00
14,900.00	90.82	271.04	6,928.50	999.21	-6,730.08	6,747.10	0.00	0.00	0.00
15,000.00	90.82	271.04	6,927.07	1,001.03	-6,830.05	6,847.09	0.00	0.00	0.00
15,100.00	90.82	271.04	6,925.64	1,002.85	-6,930.02	6,947.08	0.00	0.00	0.00
15,200.00	90.82	271.04	6,924.21	1,004.68	-7,030.00	7,047.07	0.00	0.00	0.00
15,300.00	90.82	271.04	6,922.79	1,006.50	-7,129.97	7,147.06	0.00	0.00	0.00
15,400.00	90.82	271.04	6,921.36	1,008.32	-7,229.94	7,247.05	0.00	0.00	0.00
15,500.00	90.82	271.04	6,919.93	1,010.15	-7,329.92	7,347.04	0.00	0.00	0.00
15,600.00	90.82	271.04	6,918.51	1,011.97	-7,429.89	7,447.03	0.00	0.00	0.00
15,700.00	90.82	271.04	6,917.08	1,013.79	-7,529.86	7,547.02	0.00	0.00	0.00
15,800.00	90.82	271.04	6,915.65	1,015.61	-7,629.84	7,647.01	0.00	0.00	0.00
15,900.00	90.82	271.04	6,914.22	1,017.44	-7,729.81	7,747.00	0.00	0.00	0.00
16,000.00	90.82	271.04	6,912.80	1,019.26	-7,829.78	7,846.99	0.00	0.00	0.00
16,100.00	90.82	271.04	6,911.37	1,021.08	-7,929.76	7,946.98	0.00	0.00	0.00
16,200.00	90.82	271.04	6,909.94	1,022.91	-8,029.73	8,046.97	0.00	0.00	0.00
16,300.00	90.82	271.04	6,908.52	1,024.73	-8,129.70	8,146.96	0.00	0.00	0.00
16,400.00	90.82	271.04	6,907.09	1,026.55	-8,229.68	8,246.95	0.00	0.00	0.00
16,500.00	90.82	271.04	6,905.66	1,028.38	-8,329.65	8,346.94	0.00	0.00	0.00
16,600.00	90.82	271.04	6,904.23	1,030.20	-8,429.62	8,446.93	0.00	0.00	0.00
16,700.00	90.82	271.04	6,902.81	1,032.02	-8,529.59	8,546.92	0.00	0.00	0.00
16,800.00	90.82	271.04	6,901.38	1,033.84	-8,629.57	8,646.91	0.00	0.00	0.00
16,900.00	90.82	271.04	6,899.95	1,035.67	-8,729.54	8,746.90	0.00	0.00	0.00
17,000.00	90.82	271.04	6,898.53	1,037.49	-8,829.51	8,846.89	0.00	0.00	0.00
17,100.00	90.82	271.04	6,897.10	1,039.31	-8,929.49	8,946.88	0.00	0.00	0.00
17,200.00	90.82	271.04	6,895.67	1,041.14	-9,029.46	9,046.87	0.00	0.00	0.00
17,300.00	90.82	271.04	6,894.24	1,042.96	-9,129.43	9,146.86	0.00	0.00	0.00
17,400.00	90.82	271.04	6,892.82	1,044.78	-9,229.41	9,246.85	0.00	0.00	0.00
17,500.00	90.82	271.04	6,891.39	1,046.61	-9,329.38	9,346.84	0.00	0.00	0.00
17,600.00	90.82	271.04	6,889.96	1,048.43	-9,429.35	9,446.83	0.00	0.00	0.00
17,700.00	90.82	271.04	6,888.54	1,050.25	-9,529.33	9,546.82	0.00	0.00	0.00
17,800.00	90.82	271.04	6,887.11	1,052.07	-9,629.30	9,646.81	0.00	0.00	0.00
17,877.63	90.82	271.04	6,886.00	1,053.49	-9,706.91	9,724.43	0.00	0.00	0.00

Planning Report

Database:	Fhartmann	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Company:	Apache Corporation	**TVD Reference:**	RKB=30ft @ 3500.00usft
Project:	Eddy Co, NM (NAD83 NM E)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site:	Camacho 25 26 (Middle)	**North Reference:**	Grid
Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
TD at 17877.63' MD									

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
C202_LTP - plan hits target center - Point	0.00	0.00	6,886.00	1,053.49	-9,706.91	594,308.49	564,570.89	32.633781	-104.257861
C202_FTP - plan misses target center by 0.02usft at 7507.38usft MD (7034.00 TVD, 864.44 N, 660.56 E) - Point	0.00	0.00	7,034.00	864.42	660.56	594,119.42	574,938.36	32.633236	-104.224183

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
600.00	600.00	0.00	0.00	Build 2°/100'
1,416.53	1,405.52	69.19	92.58	Hold 16.33° INC
5,677.40	5,494.48	786.42	1,052.24	Drop 2°/100'
6,493.92	6,300.00	855.61	1,144.82	Hold Vertical
6,750.51	6,556.58	855.61	1,144.82	KOP @ 6750.51' MD
7,507.32	7,034.00	864.44	660.62	Land @ 7507.32' MD
17,877.63	6,886.00	1,053.49	-9,706.91	TD at 17877.63' MD

Apache Corporation

Eddy Co, NM (NAD83 NM E)
Camacho 25 26 (Middle)
Camacho 25-26 State Com 202H

OH
Plan #1

Anticollision Report

01 March, 2024

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Reference Plan #1

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 2,500.00usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 3/1/2024

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	17,877.63	Plan #1 (OH)	SuperiorQC MWD+IFR1+SA	OWSG MWD + IFR1 + Sag + FDIR Correction

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
Camacho 25 26 (Middle)						
Camacho 25-26 State Com 201H - OH - Plan #1	600.00	600.00	29.90	25.81	7.317	CC, ES
Camacho 25-26 State Com 201H - OH - Plan #1	800.00	797.56	33.50	28.00	6.097	SF
Camacho 25-26 State Com 203H - OH - Plan #1	600.00	600.00	30.10	26.01	7.366	CC, ES
Camacho 25-26 State Com 203H - OH - Plan #1	17,877.63	17,854.35	1,563.44	1,319.88	6.419	SF
Camacho 25-26 State Com 204H - OH - Plan #1	600.00	600.00	60.00	55.92	14.683	CC, ES
Camacho 25-26 State Com 204H - OH - Plan #1	800.00	794.78	71.72	66.27	13.154	SF
Camacho 25 26 Offsets						
ANGELL RANCH 26 #001 - OH - OH	13,687.93	6,988.71	887.62	660.39	3.906	CC
ANGELL RANCH 26 #001 - OH - OH	13,700.00	6,988.50	887.70	660.33	3.904	ES, SF
EDDY GL STATE COM #001 - OH - OH	600.00	563.50	536.59	506.95	18.105	CC
EDDY GL STATE COM #001 - OH - OH	900.00	862.95	544.39	501.54	12.705	ES
EDDY GL STATE COM #001 - OH - OH	8,100.00	6,989.04	1,407.03	1,093.93	4.494	SF
GUARDIAN 25 STATE COM #001 - OH - OH	10,712.10	6,974.76	65.92	-147.56	0.309	Collision Risk Procedures Re
LAKEWOOD STATE COM #001 - OH - OH	10,688.68	6,951.84	1,384.22	1,193.45	7.256	CC
LAKEWOOD STATE COM #001 - OH - OH	10,700.00	6,951.67	1,384.26	1,193.41	7.253	ES
LAKEWOOD STATE COM #001 - OH - OH	10,800.00	6,950.25	1,388.69	1,197.11	7.249	SF
Palmillo 29-30 271H - OH - OH	7,267.04	7,328.99	1,204.76	1,153.33	23.428	CC, ES
Palmillo 29-30 271H - OH - OH	7,300.00	7,307.33	1,205.03	1,153.56	23.413	SF
Palmillo 29-30 272H - OH - OH	1,451.84	1,432.92	122.48	112.51	12.280	CC, ES
Palmillo 29-30 272H - OH - OH	7,300.00	7,229.87	221.79	169.81	4.267	SF
Palmillo 29-30 273H - OH - OH	1,378.89	1,377.83	60.04	50.66	6.401	CC, ES
Palmillo 29-30 273H - OH - OH	1,400.00	1,397.87	60.46	50.93	6.345	SF
Palmillo 29-30 274H - OH - OH	620.84	612.93	2,119.91	2,115.74	507.618	CC, ES
Palmillo 29-30 274H - OH - OH	3,000.00	2,924.44	2,494.69	2,473.45	117.454	SF
Palmillo 29-30 375H - OH - OH	7,888.66	7,028.23	1,229.16	1,177.68	23.879	CC, ES
Palmillo 29-30 375H - OH - OH	7,900.00	7,027.89	1,229.21	1,177.72	23.872	SF
Palmillo 29-30 376H - OH - OH	1,327.84	1,313.34	138.78	129.76	15.386	CC, ES
Palmillo 29-30 376H - OH - OH	7,900.00	7,059.22	253.00	201.10	4.875	SF
Palmillo 29-30 377H - OH - OH	1,155.90	1,151.67	81.00	73.15	10.315	CC, ES
Palmillo 29-30 377H - OH - OH	1,300.00	1,292.08	87.04	78.18	9.819	SF
Palmillo 29-30 378H - OH - OH	171.03	155.33	2,090.04	2,089.08	2,172.125	CC
Palmillo 29-30 378H - OH - OH	600.00	571.69	2,092.07	2,088.11	528.871	ES
Palmillo 29-30 378H - OH - OH	3,300.00	3,196.93	2,485.70	2,462.41	106.709	SF
STATE E-4202 1 - OH - OH	2,038.40	1,982.30	2,432.99	2,340.86	26.408	CC
STATE E-4202 1 - OH - OH	2,700.00	2,617.21	2,440.09	2,318.38	20.049	ES
STATE E-4202 1 - OH - OH	2,800.00	2,654.00	2,443.11	2,319.48	19.762	SF

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

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
Camacho 25 26 Offsets						
WHITE THORN 26 STATE COM #001 - OH - OH						Out of range

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 201H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR

Rule Assigned:

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	0.38	29.90	0.20	29.90				
100.00	100.00	100.00	100.00	0.25	0.25	0.38	29.90	0.20	29.90	29.40	0.50	59.580	
200.00	200.00	200.00	200.00	0.61	0.61	0.38	29.90	0.20	29.90	28.68	1.22	24.533	
300.00	300.00	300.00	300.00	0.97	0.97	0.38	29.90	0.20	29.90	27.96	1.94	15.447	
400.00	400.00	400.00	400.00	1.33	1.33	0.38	29.90	0.20	29.90	27.25	2.65	11.272	
500.00	500.00	500.00	500.00	1.68	1.68	0.38	29.90	0.20	29.90	26.53	3.37	8.874	
600.00	600.00	600.00	600.00	2.04	2.04	0.38	29.90	0.20	29.90	25.81	4.09	7.317	CC, ES
700.00	699.98	698.82	698.79	2.40	2.40	-53.66	31.81	1.14	30.79	26.00	4.79	6.423	
800.00	799.84	797.56	797.31	2.75	2.75	-55.85	37.54	3.95	33.50	28.00	5.49	6.097	SF
900.00	899.45	896.11	895.29	3.11	3.11	-58.79	47.05	8.62	38.09	31.90	6.19	6.155	
1,000.00	998.70	994.40	992.45	3.47	3.46	-61.85	60.29	15.12	44.63	37.75	6.88	6.488	
1,100.00	1,097.47	1,092.33	1,088.55	3.83	3.82	-64.64	77.19	23.42	53.15	45.58	7.57	7.025	
1,200.00	1,195.62	1,189.83	1,183.34	4.19	4.17	-66.98	97.66	33.47	63.64	55.39	8.25	7.712	
1,300.00	1,293.06	1,286.82	1,276.59	4.56	4.52	-68.86	121.59	45.22	76.08	67.15	8.94	8.514	
1,400.00	1,389.64	1,383.23	1,368.07	4.93	4.87	-70.34	148.87	58.61	90.43	80.80	9.62	9.396	
1,416.53	1,405.52	1,400.00	1,383.85	4.99	4.94	-70.56	153.97	61.12	92.98	83.23	9.75	9.533	
1,500.00	1,485.62	1,478.93	1,457.54	5.30	5.24	-71.13	179.34	73.58	107.01	96.71	10.31	10.383	
1,600.00	1,581.59	1,573.61	1,544.59	5.68	5.60	-70.45	212.76	89.99	126.47	115.50	10.97	11.526	
1,700.00	1,677.55	1,666.97	1,628.84	6.07	5.98	-68.90	248.84	107.70	148.84	137.23	11.61	12.815	
1,800.00	1,773.52	1,758.74	1,710.00	6.45	6.35	-66.90	287.29	126.58	174.22	161.99	12.23	14.248	
1,900.00	1,869.48	1,853.13	1,792.14	6.84	6.74	-64.84	329.02	147.07	201.95	189.05	12.90	15.654	
2,000.00	1,965.45	1,948.94	1,875.46	7.23	7.15	-63.22	371.49	167.92	229.98	216.36	13.61	16.893	
2,100.00	2,061.42	2,044.75	1,958.78	7.63	7.56	-61.95	413.95	188.78	258.14	243.81	14.34	18.006	
2,200.00	2,157.38	2,140.56	2,042.09	8.02	7.98	-60.94	456.42	209.63	286.40	271.33	15.07	19.011	
2,300.00	2,253.35	2,236.38	2,125.41	8.41	8.40	-60.10	498.89	230.48	314.72	298.92	15.80	19.920	
2,400.00	2,349.31	2,332.19	2,208.73	8.81	8.83	-59.40	541.36	251.33	343.10	326.56	16.54	20.745	
2,500.00	2,445.28	2,428.00	2,292.04	9.21	9.26	-58.81	583.83	272.18	371.52	354.23	17.28	21.498	
2,600.00	2,541.24	2,523.82	2,375.36	9.60	9.70	-58.31	626.29	293.04	399.96	381.94	18.03	22.187	
2,700.00	2,637.21	2,619.63	2,458.68	10.00	10.13	-57.87	668.76	313.89	428.44	409.66	18.78	22.818	
2,800.00	2,733.17	2,715.44	2,541.99	10.40	10.57	-57.48	711.23	334.74	456.93	437.40	19.53	23.400	
2,900.00	2,829.14	2,811.25	2,625.31	10.80	11.01	-57.14	753.70	355.59	485.44	465.16	20.28	23.937	
3,000.00	2,925.10	2,907.07	2,708.63	11.20	11.45	-56.84	796.17	376.45	513.96	492.93	21.03	24.434	
3,100.00	3,021.07	3,002.88	2,791.94	11.60	11.89	-56.57	838.64	397.30	542.50	520.70	21.79	24.896	
3,200.00	3,117.04	3,098.69	2,875.26	12.00	12.34	-56.33	881.10	418.15	571.04	548.49	22.55	25.325	
3,300.00	3,213.00	3,194.50	2,958.58	12.40	12.78	-56.11	923.57	439.00	599.59	576.29	23.31	25.725	
3,400.00	3,308.97	3,290.32	3,041.89	12.80	13.23	-55.91	966.04	459.86	628.16	604.09	24.07	26.099	
3,500.00	3,404.93	3,386.13	3,125.21	13.20	13.68	-55.72	1,008.51	480.71	656.72	631.89	24.83	26.450	
3,600.00	3,500.90	3,481.94	3,208.53	13.60	14.13	-55.56	1,050.98	501.56	685.30	659.70	25.59	26.779	
3,700.00	3,596.86	3,577.75	3,291.85	14.00	14.58	-55.40	1,093.44	522.41	713.87	687.52	26.35	27.088	
3,800.00	3,692.83	3,673.57	3,375.16	14.41	15.03	-55.26	1,135.91	543.27	742.46	715.34	27.12	27.379	
3,900.00	3,788.79	3,769.38	3,458.48	14.81	15.48	-55.13	1,178.38	564.12	771.04	743.16	27.88	27.653	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 201H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR

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
4,000.00	3,884.76	3,865.19	3,541.80	15.21	15.93	-55.00	1,220.85	584.97	799.63	770.98	28.65	27.913	
4,100.00	3,980.73	3,961.00	3,625.11	15.61	16.38	-54.89	1,263.32	605.82	828.22	798.81	29.41	28.158	
4,200.00	4,076.69	4,056.82	3,708.43	16.01	16.84	-54.78	1,305.78	626.68	856.82	826.64	30.18	28.391	
4,300.00	4,172.66	4,152.63	3,791.75	16.42	17.29	-54.69	1,348.25	647.53	885.42	854.47	30.95	28.611	
4,400.00	4,268.62	4,248.44	3,875.06	16.82	17.74	-54.59	1,390.72	668.38	914.02	882.30	31.71	28.821	
4,500.00	4,364.59	4,344.25	3,958.38	17.22	18.20	-54.50	1,433.19	689.23	942.62	910.14	32.48	29.020	
4,600.00	4,460.55	4,440.07	4,041.70	17.63	18.65	-54.42	1,475.66	710.08	971.23	937.98	33.25	29.210	
4,700.00	4,556.52	4,535.88	4,125.01	18.03	19.10	-54.34	1,518.13	730.94	999.83	965.81	34.02	29.391	
4,800.00	4,652.48	4,631.69	4,208.33	18.43	19.56	-54.27	1,560.59	751.79	1,028.44	993.65	34.79	29.563	
4,900.00	4,748.45	4,727.50	4,291.65	18.83	20.01	-54.20	1,603.06	772.64	1,057.05	1,021.49	35.56	29.728	
5,000.00	4,844.42	4,823.32	4,374.96	19.24	20.47	-54.14	1,645.53	793.49	1,085.66	1,049.33	36.33	29.886	
5,100.00	4,940.38	4,919.13	4,458.28	19.64	20.93	-54.07	1,688.00	814.35	1,114.27	1,077.17	37.10	30.037	
5,200.00	5,036.35	5,014.94	4,541.60	20.05	21.38	-54.01	1,730.47	835.20	1,142.88	1,105.02	37.87	30.181	
5,300.00	5,132.31	5,110.76	4,624.91	20.45	21.84	-53.96	1,772.93	856.05	1,171.50	1,132.86	38.64	30.320	
5,400.00	5,228.28	5,206.57	4,708.23	20.85	22.30	-53.90	1,815.40	876.90	1,200.11	1,160.70	39.41	30.453	
5,500.00	5,324.24	5,302.38	4,791.55	21.26	22.75	-53.85	1,857.87	897.76	1,228.73	1,188.55	40.18	30.581	
5,600.00	5,420.21	5,398.19	4,874.86	21.66	23.21	-53.81	1,900.34	918.61	1,257.34	1,216.39	40.95	30.703	
5,677.40	5,494.48	5,472.35	4,939.35	21.97	23.56	-53.77	1,933.21	934.75	1,279.49	1,237.95	41.55	30.795	
5,700.00	5,516.20	5,493.99	4,958.17	22.06	23.67	-53.86	1,942.80	939.46	1,286.01	1,244.29	41.72	30.823	
5,800.00	5,612.84	5,589.32	5,041.06	22.46	24.12	-54.24	1,985.05	960.20	1,316.06	1,273.58	42.48	30.981	
5,900.00	5,710.32	5,683.88	5,123.29	22.85	24.57	-54.53	2,026.97	980.79	1,348.06	1,304.85	43.21	31.196	
6,000.00	5,808.52	5,777.57	5,204.76	23.22	25.02	-54.75	2,068.49	1,001.18	1,382.01	1,338.09	43.92	31.464	
6,100.00	5,907.32	5,870.27	5,285.37	23.59	25.46	-54.91	2,109.58	1,021.35	1,417.92	1,373.31	44.61	31.785	
6,200.00	6,006.59	6,032.04	5,427.65	23.94	26.22	-54.61	2,178.65	1,055.26	1,454.49	1,408.61	45.88	31.702	
6,300.00	6,106.22	6,253.15	5,629.98	24.29	27.19	-54.06	2,258.48	1,094.46	1,485.91	1,438.49	47.42	31.337	
6,400.00	6,206.09	6,486.29	5,851.55	24.62	28.13	-53.55	2,323.30	1,126.29	1,510.90	1,462.22	48.68	31.035	
6,493.92	6,300.00	6,714.51	6,074.46	24.92	28.94	0.11	2,366.87	1,147.68	1,528.00	1,478.45	49.55	30.835	
6,500.00	6,306.08	6,729.53	6,089.29	24.94	28.99	0.15	2,369.03	1,148.74	1,528.88	1,479.28	49.60	30.826	
6,600.00	6,406.08	6,980.37	6,338.66	25.26	29.77	0.57	2,392.25	1,160.14	1,538.19	1,488.08	50.11	30.695	
6,700.00	6,506.08	7,147.83	6,506.08	25.58	30.22	0.61	2,394.68	1,161.33	1,539.15	1,488.59	50.56	30.442	
6,750.51	6,556.58	7,198.34	6,556.58	25.74	30.36	0.61	2,394.68	1,161.33	1,539.15	1,488.28	50.88	30.251	
6,775.00	6,581.07	7,222.28	6,580.51	25.82	30.42	89.57	2,394.69	1,160.78	1,539.15	1,488.13	51.03	30.163	
6,800.00	6,605.99	7,246.69	6,604.86	25.89	30.48	89.58	2,394.72	1,158.99	1,539.15	1,487.98	51.17	30.078	
6,825.00	6,630.77	7,271.11	6,629.09	25.96	30.54	89.58	2,394.77	1,155.95	1,539.15	1,487.84	51.31	29.997	
6,850.00	6,655.36	7,295.54	6,653.14	26.03	30.60	89.59	2,394.85	1,151.68	1,539.15	1,487.71	51.44	29.918	
6,875.00	6,679.67	7,319.98	6,676.95	26.10	30.66	89.59	2,394.95	1,146.18	1,539.15	1,487.57	51.58	29.843	
6,900.00	6,703.65	7,344.43	6,700.45	26.16	30.71	89.60	2,395.07	1,139.47	1,539.15	1,487.45	51.70	29.770	
6,925.00	6,727.22	7,368.88	6,723.59	26.22	30.76	89.61	2,395.22	1,131.56	1,539.15	1,487.32	51.82	29.700	
6,950.00	6,750.32	7,393.35	6,746.31	26.28	30.81	89.62	2,395.38	1,122.47	1,539.14	1,487.20	51.94	29.632	
6,975.00	6,772.90	7,417.84	6,768.54	26.34	30.86	89.63	2,395.57	1,112.22	1,539.14	1,487.09	52.06	29.567	
7,000.00	6,794.88	7,442.34	6,790.23	26.39	30.90	89.64	2,395.78	1,100.84	1,539.14	1,486.97	52.17	29.505	
7,025.00	6,816.20	7,466.86	6,811.33	26.44	30.94	89.66	2,396.01	1,088.35	1,539.14	1,486.87	52.27	29.445	
7,050.00	6,836.82	7,491.39	6,831.77	26.49	30.98	89.67	2,396.25	1,074.79	1,539.13	1,486.76	52.37	29.388	
7,075.00	6,856.67	7,515.95	6,851.50	26.53	31.01	89.69	2,396.52	1,060.18	1,539.13	1,486.66	52.47	29.333	
7,100.00	6,875.69	7,540.52	6,870.47	26.58	31.04	89.70	2,396.80	1,044.56	1,539.13	1,486.56	52.57	29.280	
7,125.00	6,893.84	7,565.12	6,888.62	26.62	31.07	89.72	2,397.11	1,027.98	1,539.13	1,486.47	52.66	29.229	
7,150.00	6,911.07	7,589.74	6,905.92	26.66	31.09	89.74	2,397.42	1,010.46	1,539.13	1,486.38	52.75	29.180	
7,175.00	6,927.32	7,614.38	6,922.30	26.69	31.11	89.76	2,397.76	992.06	1,539.12	1,486.29	52.83	29.133	
7,200.00	6,942.56	7,639.05	6,937.73	26.73	31.13	89.77	2,398.11	972.82	1,539.12	1,486.21	52.91	29.088	
7,225.00	6,956.74	7,663.74	6,952.16	26.76	31.14	89.79	2,398.48	952.78	1,539.12	1,486.13	52.99	29.045	
7,250.00	6,969.83	7,688.46	6,965.54	26.79	31.15	89.81	2,398.85	932.01	1,539.12	1,486.05	53.07	29.004	
7,275.00	6,981.78	7,713.21	6,977.85	26.81	31.16	89.83	2,399.25	910.54	1,539.11	1,485.98	53.14	28.964	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 201H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
7,300.00	6,992.56	7,737.99	6,989.04	26.84	31.16	89.85	2,399.65	888.44	1,539.11	1,485.91	53.21	28.927	
7,325.00	7,002.15	7,762.79	6,999.08	26.86	31.16	89.88	2,400.06	865.77	1,539.11	1,485.84	53.27	28.891	
7,350.00	7,010.52	7,787.63	7,007.94	26.88	31.16	89.90	2,400.48	842.57	1,539.11	1,485.77	53.34	28.857	
7,375.00	7,017.65	7,812.50	7,015.58	26.90	31.15	89.92	2,400.92	818.92	1,539.11	1,485.71	53.39	28.826	
7,400.00	7,023.51	7,837.39	7,022.00	26.92	31.14	89.94	2,401.35	794.87	1,539.11	1,485.66	53.45	28.796	
7,425.00	7,028.09	7,862.32	7,027.15	26.93	31.13	89.96	2,401.80	770.49	1,539.11	1,485.61	53.50	28.769	
7,450.00	7,031.38	7,887.28	7,031.03	26.94	31.12	89.99	2,402.25	745.84	1,539.11	1,485.56	53.55	28.744	
7,475.00	7,033.37	7,912.27	7,033.62	26.95	31.10	90.01	2,402.70	720.99	1,539.11	1,485.52	53.59	28.722	
7,488.94	7,033.91	7,926.21	7,034.50	26.96	31.09	90.02	2,402.95	707.08	1,539.11	1,485.50	53.61	28.711	
7,500.00	7,034.05	7,937.29	7,034.91	26.96	31.08	90.03	2,403.16	696.01	1,539.11	1,485.48	53.62	28.702	
7,507.32	7,034.00	7,944.62	7,035.04	26.96	31.07	90.04	2,403.29	688.68	1,539.11	1,485.47	53.63	28.697	
7,600.00	7,032.68	8,037.33	7,033.53	27.01	31.00	90.03	2,404.98	596.00	1,539.11	1,485.28	53.83	28.592	
7,700.00	7,031.25	8,137.33	7,031.69	27.11	30.93	90.02	2,406.80	496.03	1,539.10	1,484.98	54.13	28.434	
7,800.00	7,029.82	8,237.33	7,029.84	27.26	30.87	90.00	2,408.62	396.07	1,539.10	1,484.58	54.52	28.231	
7,900.00	7,028.40	8,337.33	7,028.00	27.45	30.82	89.99	2,410.44	296.10	1,539.10	1,484.10	55.00	27.984	
8,000.00	7,026.97	8,437.33	7,026.16	27.70	30.78	89.97	2,412.27	196.13	1,539.10	1,483.53	55.57	27.698	
8,100.00	7,025.54	8,537.33	7,024.32	28.01	30.74	89.95	2,414.09	96.17	1,539.10	1,482.88	56.22	27.376	
8,200.00	7,024.11	8,637.33	7,022.48	28.35	30.71	89.94	2,415.91	-3.80	1,539.10	1,482.14	56.96	27.022	
8,300.00	7,022.69	8,737.33	7,020.64	28.75	30.70	89.92	2,417.73	-103.76	1,539.10	1,481.33	57.77	26.642	
8,400.00	7,021.26	8,837.33	7,018.80	29.18	30.72	89.91	2,419.55	-203.73	1,539.10	1,480.44	58.66	26.238	
8,500.00	7,019.83	8,937.33	7,016.96	29.66	30.77	89.89	2,421.38	-303.69	1,539.10	1,479.48	59.62	25.815	
8,600.00	7,018.41	9,037.32	7,015.12	30.17	30.91	89.88	2,423.20	-403.66	1,539.10	1,478.45	60.65	25.376	
8,650.53	7,017.68	9,087.85	7,014.19	30.45	31.04	89.87	2,424.12	-454.17	1,539.10	1,477.90	61.20	25.149	
8,700.00	7,016.98	9,137.32	7,013.28	30.72	31.20	89.86	2,425.02	-503.62	1,539.10	1,477.35	61.75	24.926	
8,800.00	7,015.55	9,237.32	7,011.44	31.30	31.65	89.85	2,426.84	-603.59	1,539.10	1,476.19	62.90	24.467	
8,900.00	7,014.12	9,337.32	7,009.60	31.91	32.20	89.83	2,428.66	-703.56	1,539.10	1,474.98	64.12	24.003	
9,000.00	7,012.70	9,437.32	7,007.76	32.55	32.80	89.82	2,430.49	-803.52	1,539.10	1,473.71	65.39	23.536	
9,100.00	7,011.27	9,537.32	7,005.92	33.22	33.45	89.80	2,432.31	-903.49	1,539.10	1,472.39	66.71	23.070	
9,200.00	7,009.84	9,637.32	7,004.08	33.91	34.14	89.79	2,434.13	-1,003.45	1,539.10	1,471.01	68.09	22.605	
9,300.00	7,008.42	9,737.32	7,002.24	34.62	34.85	89.77	2,435.95	-1,103.42	1,539.10	1,469.60	69.51	22.143	
9,400.00	7,006.99	9,837.32	7,000.40	35.36	35.58	89.75	2,437.77	-1,203.38	1,539.10	1,468.13	70.97	21.687	
9,500.00	7,005.56	9,937.32	6,998.56	36.11	36.34	89.74	2,439.60	-1,303.35	1,539.10	1,466.63	72.47	21.238	
9,600.00	7,004.13	10,037.32	6,996.71	36.89	37.11	89.72	2,441.42	-1,403.32	1,539.10	1,465.09	74.01	20.795	
9,700.00	7,002.71	10,137.32	6,994.87	37.68	37.90	89.71	2,443.24	-1,503.28	1,539.11	1,463.52	75.59	20.362	
9,800.00	7,001.28	10,237.31	6,993.03	38.49	38.71	89.69	2,445.06	-1,603.25	1,539.11	1,461.91	77.20	19.937	
9,900.00	6,999.85	10,337.31	6,991.19	39.32	39.53	89.68	2,446.88	-1,703.21	1,539.11	1,460.27	78.84	19.521	
10,000.00	6,998.43	10,437.31	6,989.35	40.16	40.37	89.66	2,448.70	-1,803.18	1,539.11	1,458.60	80.51	19.116	
10,100.00	6,997.00	10,537.31	6,987.51	41.01	41.22	89.65	2,450.53	-1,903.14	1,539.11	1,456.90	82.21	18.721	
10,200.00	6,995.57	10,637.31	6,985.67	41.88	42.09	89.63	2,452.35	-2,003.11	1,539.11	1,455.17	83.94	18.336	
10,300.00	6,994.14	10,737.31	6,983.83	42.76	42.97	89.62	2,454.17	-2,103.07	1,539.11	1,453.42	85.69	17.961	
10,400.00	6,992.72	10,837.31	6,981.99	43.65	43.85	89.60	2,455.99	-2,203.04	1,539.12	1,451.65	87.47	17.597	
10,500.00	6,991.29	10,937.31	6,980.15	44.55	44.75	89.59	2,457.81	-2,303.01	1,539.12	1,449.86	89.26	17.243	
10,600.00	6,989.86	11,037.31	6,978.31	45.46	45.66	89.57	2,459.64	-2,402.97	1,539.12	1,448.04	91.08	16.899	
10,700.00	6,988.44	11,137.31	6,976.47	46.38	46.58	89.55	2,461.46	-2,502.94	1,539.12	1,446.21	92.91	16.565	
10,800.00	6,987.01	11,237.31	6,974.63	47.31	47.50	89.54	2,463.28	-2,602.90	1,539.12	1,444.36	94.77	16.241	
10,900.00	6,985.58	11,337.31	6,972.79	48.25	48.44	89.52	2,465.10	-2,702.87	1,539.13	1,442.49	96.64	15.927	
11,000.00	6,984.15	11,437.30	6,970.95	49.19	49.38	89.51	2,466.92	-2,802.83	1,539.13	1,440.60	98.53	15.622	
11,100.00	6,982.73	11,537.30	6,969.11	50.15	50.33	89.49	2,468.75	-2,902.80	1,539.13	1,438.71	100.43	15.326	
11,200.00	6,981.30	11,637.30	6,967.27	51.11	51.29	89.48	2,470.57	-3,002.76	1,539.14	1,436.79	102.34	15.039	
11,300.00	6,979.87	11,737.30	6,965.43	52.07	52.25	89.46	2,472.39	-3,102.73	1,539.14	1,434.86	104.27	14.760	
11,400.00	6,978.45	11,837.30	6,963.59	53.05	53.22	89.45	2,474.21	-3,202.70	1,539.14	1,432.92	106.22	14.490	
11,500.00	6,977.02	11,937.30	6,961.74	54.03	54.20	89.43	2,476.03	-3,302.66	1,539.14	1,430.97	108.17	14.229	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 201H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR

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)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,600.00	6,975.59	12,037.30	6,959.90	55.01	55.18	89.42	2,477.86	-3,402.63	1,539.15	1,429.01	110.14	13.974	
11,700.00	6,974.16	12,137.30	6,958.06	56.00	56.17	89.40	2,479.68	-3,502.59	1,539.15	1,427.03	112.12	13.728	
11,800.00	6,972.74	12,237.30	6,956.22	57.00	57.16	89.39	2,481.50	-3,602.56	1,539.15	1,425.05	114.11	13.489	
11,900.00	6,971.31	12,337.30	6,954.38	58.00	58.16	89.37	2,483.32	-3,702.52	1,539.16	1,423.05	116.10	13.257	
12,000.00	6,969.88	12,437.30	6,952.54	59.00	59.16	89.35	2,485.14	-3,802.49	1,539.16	1,421.05	118.11	13.032	
12,100.00	6,968.46	12,537.30	6,950.70	60.01	60.16	89.34	2,486.97	-3,902.46	1,539.17	1,419.04	120.13	12.813	
12,200.00	6,967.03	12,637.29	6,948.86	61.02	61.17	89.32	2,488.79	-4,002.42	1,539.17	1,417.02	122.15	12.601	
12,300.00	6,965.60	12,737.29	6,947.02	62.04	62.19	89.31	2,490.61	-4,102.39	1,539.17	1,414.99	124.18	12.394	
12,400.00	6,964.17	12,837.29	6,945.18	63.06	63.20	89.29	2,492.43	-4,202.35	1,539.18	1,412.95	126.22	12.194	
12,500.00	6,962.75	12,937.29	6,943.34	64.09	64.22	89.28	2,494.25	-4,302.32	1,539.18	1,410.91	128.27	12.000	
12,600.00	6,961.32	13,037.29	6,941.50	65.12	65.25	89.26	2,496.07	-4,402.28	1,539.19	1,408.86	130.32	11.810	
12,700.00	6,959.89	13,137.29	6,939.66	66.15	66.28	89.25	2,497.90	-4,502.25	1,539.19	1,406.81	132.39	11.627	
12,800.00	6,958.47	13,237.29	6,937.82	67.18	67.31	89.23	2,499.72	-4,602.21	1,539.19	1,404.74	134.45	11.448	
12,900.00	6,957.04	13,337.29	6,935.98	68.22	68.34	89.22	2,501.54	-4,702.18	1,539.20	1,402.67	136.53	11.274	
13,000.00	6,955.61	13,437.29	6,934.14	69.26	69.38	89.20	2,503.36	-4,802.15	1,539.20	1,400.60	138.60	11.105	
13,100.00	6,954.18	13,537.29	6,932.30	70.30	70.42	89.19	2,505.18	-4,902.11	1,539.21	1,398.52	140.69	10.941	
13,200.00	6,952.76	13,637.29	6,930.46	71.35	71.46	89.17	2,507.01	-5,002.08	1,539.21	1,396.44	142.78	10.781	
13,300.00	6,951.33	13,737.28	6,928.61	72.39	72.50	89.15	2,508.83	-5,102.04	1,539.22	1,394.35	144.87	10.625	
13,400.00	6,949.90	13,837.28	6,926.77	73.44	73.55	89.14	2,510.65	-5,202.01	1,539.22	1,392.25	146.97	10.473	
13,500.00	6,948.48	13,937.28	6,924.93	74.50	74.60	89.12	2,512.47	-5,301.97	1,539.23	1,390.16	149.07	10.325	
13,600.00	6,947.05	14,037.28	6,923.09	75.55	75.65	89.11	2,514.29	-5,401.94	1,539.24	1,388.05	151.18	10.181	
13,700.00	6,945.62	14,137.28	6,921.25	76.61	76.71	89.09	2,516.12	-5,501.91	1,539.24	1,385.95	153.29	10.041	
13,800.00	6,944.19	14,237.28	6,919.41	77.66	77.76	89.08	2,517.94	-5,601.87	1,539.25	1,383.84	155.41	9.904	
13,900.00	6,942.77	14,337.28	6,917.57	78.73	78.82	89.06	2,519.76	-5,701.84	1,539.25	1,381.72	157.53	9.771	
14,000.00	6,941.34	14,437.28	6,915.73	79.79	79.88	89.05	2,521.58	-5,801.80	1,539.26	1,379.60	159.66	9.641	
14,100.00	6,939.91	14,537.28	6,913.89	80.85	80.94	89.03	2,523.40	-5,901.77	1,539.26	1,377.48	161.78	9.514	
14,200.00	6,938.49	14,637.28	6,912.05	81.92	82.00	89.02	2,525.23	-6,001.73	1,539.27	1,375.36	163.91	9.391	
14,300.00	6,937.06	14,737.28	6,910.21	82.98	83.07	89.00	2,527.05	-6,101.70	1,539.28	1,373.23	166.05	9.270	
14,400.00	6,935.63	14,837.28	6,908.37	84.05	84.13	88.99	2,528.87	-6,201.66	1,539.28	1,371.10	168.18	9.152	
14,500.00	6,934.20	14,937.27	6,906.53	85.12	85.20	88.97	2,530.69	-6,301.63	1,539.29	1,368.96	170.33	9.037	
14,600.00	6,932.78	15,037.27	6,904.69	86.20	86.27	88.95	2,532.51	-6,401.60	1,539.30	1,366.83	172.47	8.925	
14,700.00	6,931.35	15,137.27	6,902.85	87.27	87.34	88.94	2,534.34	-6,501.56	1,539.30	1,364.69	174.61	8.815	
14,800.00	6,929.92	15,237.27	6,901.01	88.34	88.41	88.92	2,536.16	-6,601.53	1,539.31	1,362.55	176.76	8.708	
14,900.00	6,928.50	15,337.27	6,899.17	89.42	89.49	88.91	2,537.98	-6,701.49	1,539.32	1,360.40	178.92	8.604	
15,000.00	6,927.07	15,437.27	6,897.33	90.50	90.56	88.89	2,539.80	-6,801.46	1,539.32	1,358.25	181.07	8.501	
15,100.00	6,925.64	15,537.27	6,895.49	91.57	91.64	88.88	2,541.62	-6,901.42	1,539.33	1,356.10	183.23	8.401	
15,200.00	6,924.21	15,637.27	6,893.64	92.65	92.71	88.86	2,543.44	-7,001.39	1,539.34	1,353.95	185.38	8.303	
15,300.00	6,922.79	15,737.27	6,891.80	93.73	93.79	88.85	2,545.27	-7,101.35	1,539.34	1,351.80	187.55	8.208	
15,400.00	6,921.36	15,837.27	6,889.96	94.82	94.87	88.83	2,547.09	-7,201.32	1,539.35	1,349.64	189.71	8.114	
15,500.00	6,919.93	15,937.27	6,888.12	95.90	95.95	88.82	2,548.91	-7,301.29	1,539.36	1,347.49	191.87	8.023	
15,600.00	6,918.51	16,037.27	6,886.28	96.98	97.03	88.80	2,550.73	-7,401.25	1,539.37	1,345.33	194.04	7.933	
15,700.00	6,917.08	16,137.26	6,884.44	98.07	98.12	88.79	2,552.55	-7,501.22	1,539.38	1,343.16	196.21	7.846	
15,800.00	6,915.65	16,237.26	6,882.60	99.15	99.20	88.77	2,554.38	-7,601.18	1,539.38	1,341.00	198.38	7.760	
15,900.00	6,914.22	16,337.26	6,880.76	100.24	100.28	88.75	2,556.20	-7,701.15	1,539.39	1,338.84	200.56	7.676	
16,000.00	6,912.80	16,437.26	6,878.92	101.33	101.37	88.74	2,558.02	-7,801.11	1,539.40	1,336.67	202.73	7.593	
16,100.00	6,911.37	16,537.26	6,877.08	102.42	102.46	88.72	2,559.84	-7,901.08	1,539.41	1,334.50	204.91	7.513	
16,200.00	6,909.94	16,637.26	6,875.24	103.50	103.54	88.71	2,561.66	-8,001.05	1,539.42	1,332.33	207.08	7.434	
16,300.00	6,908.52	16,737.26	6,873.40	104.59	104.63	88.69	2,563.49	-8,101.01	1,539.42	1,330.16	209.26	7.356	
16,400.00	6,907.09	16,837.26	6,871.56	105.69	105.72	88.68	2,565.31	-8,200.98	1,539.43	1,327.99	211.45	7.280	
16,500.00	6,905.66	16,937.26	6,869.72	106.78	106.81	88.66	2,567.13	-8,300.94	1,539.44	1,325.81	213.63	7.206	
16,600.00	6,904.23	17,037.26	6,867.88	107.87	107.90	88.65	2,568.95	-8,400.91	1,539.45	1,323.64	215.81	7.133	
16,700.00	6,902.81	17,137.26	6,866.04	108.96	108.99	88.63	2,570.77	-8,500.87	1,539.46	1,321.46	218.00	7.062	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 201H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR **Rule Assigned:** **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
16,800.00	6,901.38	17,237.26	6,864.20	110.06	110.08	88.62	2,572.60	-8,600.84	1,539.47	1,319.28	220.19	6.992	
16,900.00	6,899.95	17,337.25	6,862.36	111.15	111.18	88.60	2,574.42	-8,700.80	1,539.48	1,317.10	222.38	6.923	
17,000.00	6,898.53	17,437.25	6,860.51	112.25	112.27	88.58	2,576.24	-8,800.77	1,539.49	1,314.92	224.57	6.855	
17,100.00	6,897.10	17,537.25	6,858.67	113.34	113.36	88.57	2,578.06	-8,900.74	1,539.50	1,312.74	226.76	6.789	
17,200.00	6,895.67	17,637.25	6,856.83	114.44	114.46	88.55	2,579.88	-9,000.70	1,539.51	1,310.56	228.95	6.724	
17,300.00	6,894.24	17,737.25	6,854.99	115.53	115.55	88.54	2,581.71	-9,100.67	1,539.51	1,308.37	231.14	6.660	
17,400.00	6,892.82	17,837.25	6,853.15	116.63	116.65	88.52	2,583.53	-9,200.63	1,539.52	1,306.19	233.34	6.598	
17,500.00	6,891.39	17,937.25	6,851.31	117.73	117.74	88.51	2,585.35	-9,300.60	1,539.53	1,304.00	235.53	6.536	
17,600.00	6,889.96	18,037.25	6,849.47	118.83	118.84	88.49	2,587.17	-9,400.56	1,539.54	1,301.81	237.73	6.476	
17,700.00	6,888.54	18,137.25	6,847.63	119.93	119.94	88.48	2,588.99	-9,500.53	1,539.55	1,299.63	239.93	6.417	
17,800.00	6,887.11	18,237.25	6,845.79	121.03	121.04	88.46	2,590.81	-9,600.49	1,539.56	1,297.44	242.13	6.358	
17,877.63	6,886.00	18,314.88	6,844.36	121.88	121.89	88.45	2,592.23	-9,678.10	1,539.57	1,295.74	243.83	6.314	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 203H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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	-179.43	-30.10	-0.30	30.10				
100.00	100.00	100.00	100.00	0.25	0.25	-179.43	-30.10	-0.30	30.10	29.60	0.50	59.980	
200.00	200.00	200.00	200.00	0.61	0.61	-179.43	-30.10	-0.30	30.10	28.88	1.22	24.698	
300.00	300.00	300.00	300.00	0.97	0.97	-179.43	-30.10	-0.30	30.10	28.17	1.94	15.550	
400.00	400.00	400.00	400.00	1.33	1.33	-179.43	-30.10	-0.30	30.10	27.45	2.65	11.348	
500.00	500.00	500.00	500.00	1.68	1.68	-179.43	-30.10	-0.30	30.10	26.73	3.37	8.933	
600.00	600.00	600.00	600.00	2.04	2.04	-179.43	-30.10	-0.30	30.10	26.01	4.09	7.366	CC, ES
700.00	699.98	699.46	699.44	2.40	2.39	127.08	-30.95	1.20	32.00	27.21	4.79	6.685	
800.00	799.84	798.71	798.55	2.75	2.73	126.42	-33.48	5.70	37.68	32.20	5.48	6.879	
900.00	899.45	897.53	896.99	3.11	3.07	125.66	-37.67	13.15	47.13	40.96	6.17	7.635	
1,000.00	998.70	995.72	994.46	3.47	3.41	124.95	-43.48	23.48	60.33	53.46	6.87	8.782	
1,100.00	1,097.47	1,093.08	1,090.65	3.83	3.75	124.34	-50.85	36.59	77.23	69.66	7.57	10.208	
1,200.00	1,195.62	1,189.43	1,185.28	4.19	4.10	123.81	-59.72	52.37	97.77	89.51	8.26	11.838	
1,300.00	1,293.06	1,284.58	1,278.08	4.56	4.45	123.33	-70.00	70.66	121.90	112.95	8.95	13.617	
1,400.00	1,389.64	1,379.15	1,369.62	4.93	4.81	122.94	-81.65	91.36	149.45	139.81	9.65	15.491	
1,416.53	1,405.52	1,394.96	1,384.89	4.99	4.87	122.93	-83.65	94.93	154.25	144.48	9.77	15.792	
1,500.00	1,485.62	1,474.80	1,462.01	5.30	5.17	123.33	-93.78	112.93	178.60	168.23	10.36	17.233	
1,600.00	1,581.59	1,570.44	1,554.39	5.68	5.54	123.69	-105.91	134.51	207.78	196.69	11.08	18.747	
1,700.00	1,677.55	1,666.08	1,646.78	6.07	5.91	123.96	-118.05	156.08	236.96	225.16	11.81	20.069	
1,800.00	1,773.52	1,761.72	1,739.16	6.45	6.29	124.17	-130.18	177.65	266.15	253.62	12.54	21.231	
1,900.00	1,869.48	1,857.36	1,831.54	6.84	6.67	124.33	-142.31	199.23	295.34	282.07	13.27	22.259	
2,000.00	1,965.45	1,953.01	1,923.93	7.23	7.04	124.47	-154.45	220.80	324.54	310.53	14.00	23.174	
2,100.00	2,061.42	2,048.65	2,016.31	7.63	7.42	124.59	-166.58	242.38	353.73	338.99	14.74	23.994	
2,200.00	2,157.38	2,144.29	2,108.69	8.02	7.81	124.68	-178.71	263.95	382.93	367.44	15.48	24.732	
2,300.00	2,253.35	2,239.93	2,201.07	8.41	8.19	124.77	-190.84	285.52	412.12	395.90	16.23	25.400	
2,400.00	2,349.31	2,335.57	2,293.46	8.81	8.57	124.84	-202.98	307.10	441.32	424.35	16.97	26.007	
2,500.00	2,445.28	2,431.21	2,385.84	9.21	8.96	124.90	-215.11	328.67	470.52	452.80	17.72	26.560	
2,600.00	2,541.24	2,526.85	2,478.22	9.60	9.34	124.96	-227.24	350.24	499.72	481.25	18.46	27.067	
2,700.00	2,637.21	2,622.50	2,570.61	10.00	9.73	125.01	-239.37	371.82	528.91	509.70	19.21	27.532	
2,800.00	2,733.17	2,718.14	2,662.99	10.40	10.11	125.05	-251.51	393.39	558.11	538.15	19.96	27.961	
2,900.00	2,829.14	2,813.78	2,755.37	10.80	10.50	125.09	-263.64	414.96	587.31	566.60	20.71	28.358	
3,000.00	2,925.10	2,909.42	2,847.76	11.20	10.89	125.13	-275.77	436.54	616.51	595.05	21.46	28.726	
3,100.00	3,021.07	3,005.06	2,940.14	11.60	11.28	125.16	-287.91	458.11	645.71	623.50	22.21	29.068	
3,200.00	3,117.04	3,100.70	3,032.52	12.00	11.66	125.19	-300.04	479.69	674.91	651.94	22.97	29.387	
3,300.00	3,213.00	3,196.34	3,124.91	12.40	12.05	125.22	-312.17	501.26	704.11	680.39	23.72	29.685	
3,400.00	3,308.97	3,291.98	3,217.29	12.80	12.44	125.25	-324.30	522.83	733.31	708.84	24.47	29.963	
3,500.00	3,404.93	3,387.63	3,309.67	13.20	12.83	125.27	-336.44	544.41	762.51	737.28	25.23	30.224	
3,600.00	3,500.90	3,483.27	3,402.05	13.60	13.22	125.29	-348.57	565.98	791.71	765.73	25.98	30.470	
3,700.00	3,596.86	3,578.91	3,494.44	14.00	13.61	125.31	-360.70	587.55	820.91	794.17	26.74	30.701	
3,800.00	3,692.83	3,674.55	3,586.82	14.41	14.00	125.33	-372.84	609.13	850.11	822.62	27.49	30.919	
3,900.00	3,788.79	3,770.19	3,679.20	14.81	14.39	125.35	-384.97	630.70	879.31	851.06	28.25	31.125	
4,000.00	3,884.76	3,865.83	3,771.59	15.21	14.78	125.37	-397.10	652.27	908.51	879.51	29.01	31.320	
4,100.00	3,980.73	3,961.47	3,863.97	15.61	15.17	125.38	-409.23	673.85	937.72	907.95	29.76	31.504	
4,200.00	4,076.69	4,057.11	3,956.35	16.01	15.56	125.40	-421.37	695.42	966.92	936.39	30.52	31.679	
4,300.00	4,172.66	4,152.76	4,048.74	16.42	15.95	125.41	-433.50	717.00	996.12	964.84	31.28	31.845	
4,400.00	4,268.62	4,248.40	4,141.12	16.82	16.34	125.42	-445.63	738.57	1,025.32	993.28	32.04	32.003	
4,500.00	4,364.59	4,344.04	4,233.50	17.22	16.73	125.44	-457.76	760.14	1,054.52	1,021.72	32.80	32.153	
4,600.00	4,460.55	4,439.68	4,325.89	17.63	17.13	125.45	-469.90	781.72	1,083.72	1,050.16	33.56	32.297	
4,700.00	4,556.52	4,535.32	4,418.27	18.03	17.52	125.46	-482.03	803.29	1,112.92	1,078.61	34.31	32.433	
4,800.00	4,652.48	4,630.96	4,510.65	18.43	17.91	125.47	-494.16	824.86	1,142.12	1,107.05	35.07	32.564	
4,900.00	4,748.45	4,726.60	4,603.03	18.83	18.30	125.48	-506.30	846.44	1,171.32	1,135.49	35.83	32.689	
5,000.00	4,844.42	4,822.24	4,695.42	19.24	18.69	125.49	-518.43	868.01	1,200.52	1,163.93	36.59	32.808	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 203H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR — **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)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,940.38	4,917.89	4,787.80	19.64	19.08	125.50	-530.56	889.58	1,229.73	1,192.37	37.35	32.923	
5,200.00	5,036.35	5,013.53	4,880.18	20.05	19.48	125.51	-542.69	911.16	1,258.93	1,220.81	38.11	33.032	
5,300.00	5,132.31	5,109.17	4,972.57	20.45	19.87	125.51	-554.83	932.73	1,288.13	1,249.26	38.87	33.137	
5,400.00	5,228.28	5,204.81	5,064.95	20.85	20.26	125.52	-566.96	954.30	1,317.33	1,277.70	39.63	33.238	
5,500.00	5,324.24	5,300.45	5,157.33	21.26	20.65	125.53	-579.09	975.88	1,346.53	1,306.14	40.39	33.335	
5,600.00	5,420.21	5,396.09	5,249.72	21.66	21.04	125.54	-591.23	997.45	1,375.73	1,334.58	41.15	33.429	
5,677.40	5,494.48	5,470.12	5,321.22	21.97	21.35	125.54	-600.62	1,014.15	1,398.33	1,356.59	41.74	33.498	
5,700.00	5,516.20	5,491.75	5,342.11	22.06	21.43	125.65	-603.36	1,019.03	1,404.88	1,362.97	41.91	33.517	
5,800.00	5,612.84	5,587.79	5,434.88	22.46	21.83	126.04	-615.54	1,040.69	1,432.67	1,389.99	42.67	33.574	
5,900.00	5,710.32	5,707.69	5,551.09	22.85	22.31	126.28	-630.00	1,066.40	1,457.90	1,414.31	43.60	33.442	
6,000.00	5,808.52	5,837.53	5,678.18	23.22	22.82	126.48	-643.01	1,089.53	1,479.10	1,434.54	44.55	33.198	
6,100.00	5,907.32	5,969.17	5,808.12	23.59	23.31	126.68	-653.30	1,107.83	1,496.09	1,450.61	45.48	32.894	
6,200.00	6,006.59	6,102.18	5,940.25	23.94	23.79	126.87	-660.72	1,121.02	1,508.81	1,462.43	46.38	32.534	
6,300.00	6,106.22	6,236.10	6,073.87	24.29	24.25	127.05	-665.14	1,128.88	1,517.20	1,469.97	47.23	32.124	
6,400.00	6,206.09	6,370.47	6,208.20	24.62	24.69	127.22	-666.49	1,131.29	1,521.23	1,473.20	48.04	31.668	
6,493.92	6,300.00	6,462.28	6,300.00	24.92	24.96	-179.49	-666.50	1,131.30	1,522.17	1,473.54	48.63	31.300	
6,500.00	6,306.08	6,468.36	6,306.08	24.94	24.98	-179.49	-666.50	1,131.30	1,522.17	1,473.50	48.67	31.276	
6,600.00	6,406.08	6,568.36	6,406.08	25.26	25.29	-179.49	-666.50	1,131.30	1,522.17	1,472.86	49.31	30.870	
6,700.00	6,506.08	6,668.36	6,506.08	25.58	25.59	-179.49	-666.50	1,131.30	1,522.17	1,472.22	49.95	30.475	
6,750.51	6,556.58	6,718.86	6,556.58	25.74	25.75	-179.49	-666.50	1,131.30	1,522.17	1,471.90	50.27	30.278	
6,775.00	6,581.07	6,743.57	6,581.28	25.82	25.82	-90.55	-666.50	1,131.16	1,522.18	1,471.75	50.43	30.186	
6,800.00	6,605.99	6,769.05	6,606.73	25.89	25.90	-90.58	-666.48	1,129.85	1,522.19	1,471.61	50.57	30.098	
6,825.00	6,630.77	6,794.57	6,632.11	25.96	25.97	-90.60	-666.44	1,127.19	1,522.20	1,471.49	50.72	30.014	
6,850.00	6,655.36	6,820.13	6,657.35	26.03	26.03	-90.62	-666.38	1,123.17	1,522.22	1,471.37	50.86	29.933	
6,875.00	6,679.67	6,845.72	6,682.37	26.10	26.10	-90.64	-666.31	1,117.79	1,522.25	1,471.26	50.99	29.855	
6,900.00	6,703.65	6,871.34	6,707.09	26.16	26.16	-90.66	-666.21	1,111.08	1,522.28	1,471.16	51.12	29.780	
6,925.00	6,727.22	6,896.99	6,731.44	26.22	26.22	-90.67	-666.09	1,103.04	1,522.32	1,471.07	51.24	29.708	
6,950.00	6,750.32	6,922.67	6,755.35	26.28	26.28	-90.69	-665.96	1,093.69	1,522.36	1,470.99	51.36	29.639	
6,975.00	6,772.90	6,948.38	6,778.75	26.34	26.34	-90.70	-665.80	1,083.06	1,522.40	1,470.92	51.48	29.573	
7,000.00	6,794.88	6,974.10	6,801.57	26.39	26.39	-90.71	-665.63	1,071.17	1,522.45	1,470.86	51.59	29.509	
7,025.00	6,816.20	6,999.85	6,823.73	26.44	26.44	-90.71	-665.44	1,058.06	1,522.50	1,470.80	51.70	29.448	
7,050.00	6,836.82	7,025.62	6,845.16	26.49	26.49	-90.72	-665.24	1,043.77	1,522.56	1,470.75	51.81	29.390	
7,075.00	6,856.67	7,051.41	6,865.81	26.53	26.54	-90.72	-665.01	1,028.32	1,522.62	1,470.71	51.91	29.334	
7,100.00	6,875.69	7,077.21	6,885.60	26.58	26.58	-90.73	-664.77	1,011.78	1,522.68	1,470.68	52.00	29.281	
7,125.00	6,893.84	7,103.03	6,904.48	26.62	26.62	-90.72	-664.52	994.18	1,522.75	1,470.66	52.10	29.230	
7,150.00	6,911.07	7,128.85	6,922.39	26.66	26.66	-90.72	-664.25	975.58	1,522.82	1,470.63	52.19	29.180	
7,175.00	6,927.32	7,154.68	6,939.27	26.69	26.70	-90.72	-663.97	956.04	1,522.89	1,470.62	52.27	29.133	
7,200.00	6,942.56	7,180.52	6,955.08	26.73	26.73	-90.71	-663.67	935.60	1,522.97	1,470.61	52.36	29.088	
7,225.00	6,956.74	7,206.36	6,969.75	26.76	26.76	-90.70	-663.37	914.34	1,523.05	1,470.61	52.44	29.044	
7,250.00	6,969.83	7,232.20	6,983.26	26.79	26.79	-90.69	-663.05	892.32	1,523.13	1,470.61	52.52	29.003	
7,275.00	6,981.78	7,258.04	6,995.55	26.81	26.82	-90.68	-662.72	869.60	1,523.21	1,470.62	52.59	28.963	
7,300.00	6,992.56	7,283.87	7,006.59	26.84	26.85	-90.67	-662.38	846.25	1,523.30	1,470.63	52.66	28.925	
7,325.00	7,002.15	7,309.69	7,016.35	26.86	26.87	-90.65	-662.04	822.35	1,523.38	1,470.65	52.73	28.889	
7,350.00	7,010.52	7,335.51	7,024.80	26.88	26.89	-90.63	-661.69	797.96	1,523.47	1,470.67	52.80	28.854	
7,375.00	7,017.65	7,361.31	7,031.92	26.90	26.91	-90.61	-661.33	773.17	1,523.56	1,470.70	52.86	28.822	
7,400.00	7,023.51	7,387.10	7,037.69	26.92	26.93	-90.59	-660.97	748.04	1,523.65	1,470.73	52.92	28.793	
7,425.00	7,028.09	7,412.87	7,042.09	26.93	26.94	-90.57	-660.60	722.65	1,523.74	1,470.77	52.97	28.765	
7,450.00	7,031.38	7,438.62	7,045.11	26.94	26.96	-90.54	-660.23	697.08	1,523.83	1,470.81	53.02	28.740	
7,475.00	7,033.37	7,464.34	7,046.74	26.95	26.97	-90.51	-659.86	671.41	1,523.92	1,470.85	53.07	28.717	
7,500.00	7,034.05	7,490.05	7,046.99	26.96	26.98	-90.49	-659.49	645.72	1,524.01	1,470.90	53.11	28.697	
7,507.32	7,034.00	7,497.36	7,046.87	26.96	26.98	-90.48	-659.38	638.40	1,524.04	1,470.92	53.12	28.691	
7,600.00	7,032.68	7,590.04	7,045.33	27.01	27.04	-90.47	-658.05	545.75	1,524.39	1,471.07	53.32	28.588	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 203H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR

Rule Assigned:

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
7,700.00	7,031.25	7,690.04	7,043.66	27.11	27.14	-90.46	-656.60	445.77	1,524.77	1,471.13	53.63	28.430	
7,800.00	7,029.82	7,790.04	7,041.99	27.26	27.29	-90.45	-655.16	345.80	1,525.14	1,471.11	54.04	28.225	
7,900.00	7,028.40	7,890.04	7,040.32	27.45	27.49	-90.44	-653.71	245.82	1,525.52	1,470.99	54.53	27.977	
8,000.00	7,026.97	7,990.04	7,038.65	27.70	27.73	-90.44	-652.27	145.85	1,525.90	1,470.79	55.11	27.689	
8,100.00	7,025.54	8,090.04	7,036.98	28.01	28.03	-90.43	-650.83	45.87	1,526.28	1,470.50	55.77	27.366	
8,200.00	7,024.11	8,190.04	7,035.31	28.35	28.37	-90.42	-649.38	-54.10	1,526.65	1,470.13	56.52	27.010	
8,300.00	7,022.69	8,290.04	7,033.64	28.75	28.75	-90.41	-647.94	-154.08	1,527.03	1,469.68	57.35	26.628	
8,400.00	7,021.26	8,390.03	7,031.97	29.18	29.18	-90.40	-646.50	-254.05	1,527.41	1,469.16	58.25	26.222	
8,500.00	7,019.83	8,490.03	7,030.30	29.66	29.65	-90.39	-645.05	-354.02	1,527.79	1,468.56	59.22	25.797	
8,600.00	7,018.41	8,590.03	7,028.63	30.17	30.16	-90.38	-643.61	-454.00	1,528.16	1,467.90	60.27	25.357	
8,700.00	7,016.98	8,690.03	7,026.96	30.72	30.70	-90.37	-642.17	-553.97	1,528.54	1,467.17	61.37	24.905	
8,800.00	7,015.55	8,790.03	7,025.30	31.30	31.28	-90.36	-640.72	-653.95	1,528.92	1,466.38	62.54	24.445	
8,900.00	7,014.12	8,890.03	7,023.63	31.91	31.88	-90.35	-639.28	-753.92	1,529.30	1,465.53	63.77	23.981	
9,000.00	7,012.70	8,990.03	7,021.96	32.55	32.52	-90.34	-637.84	-853.90	1,529.68	1,464.62	65.05	23.514	
9,100.00	7,011.27	9,090.03	7,020.29	33.22	33.18	-90.33	-636.39	-953.87	1,530.05	1,463.66	66.39	23.047	
9,200.00	7,009.84	9,190.03	7,018.62	33.91	33.87	-90.33	-634.95	-1,053.85	1,530.43	1,462.66	67.77	22.582	
9,300.00	7,008.42	9,290.03	7,016.95	34.62	34.59	-90.32	-633.50	-1,153.82	1,530.81	1,461.61	69.20	22.121	
9,400.00	7,006.99	9,390.02	7,015.28	35.36	35.32	-90.31	-632.06	-1,253.80	1,531.19	1,460.51	70.67	21.665	
9,500.00	7,005.56	9,490.02	7,013.61	36.11	36.08	-90.30	-630.62	-1,353.77	1,531.57	1,459.38	72.19	21.217	
9,600.00	7,004.13	9,590.02	7,011.94	36.89	36.85	-90.29	-629.17	-1,453.75	1,531.94	1,458.21	73.74	20.776	
9,700.00	7,002.71	9,690.02	7,010.27	37.68	37.64	-90.28	-627.73	-1,553.72	1,532.32	1,457.00	75.32	20.343	
9,800.00	7,001.28	9,790.02	7,008.60	38.49	38.45	-90.27	-626.29	-1,653.69	1,532.70	1,455.76	76.94	19.920	
9,900.00	6,999.85	9,890.02	7,006.94	39.32	39.28	-90.26	-624.84	-1,753.67	1,533.08	1,454.49	78.59	19.506	
10,000.00	6,998.43	9,990.02	7,005.27	40.16	40.12	-90.25	-623.40	-1,853.64	1,533.46	1,453.18	80.27	19.103	
10,100.00	6,997.00	10,090.02	7,003.60	41.01	40.98	-90.24	-621.96	-1,953.62	1,533.84	1,451.85	81.98	18.710	
10,200.00	6,995.57	10,190.02	7,001.93	41.88	41.84	-90.23	-620.51	-2,053.59	1,534.21	1,450.50	83.72	18.327	
10,300.00	6,994.14	10,290.02	7,000.26	42.76	42.72	-90.23	-619.07	-2,153.57	1,534.59	1,449.12	85.47	17.954	
10,400.00	6,992.72	10,390.01	6,998.59	43.65	43.61	-90.22	-617.63	-2,253.54	1,534.97	1,447.72	87.25	17.592	
10,500.00	6,991.29	10,490.01	6,996.92	44.55	44.52	-90.21	-616.18	-2,353.52	1,535.35	1,446.29	89.06	17.240	
10,600.00	6,989.86	10,590.01	6,995.25	45.46	45.43	-90.20	-614.74	-2,453.49	1,535.73	1,444.85	90.88	16.899	
10,700.00	6,988.44	10,690.01	6,993.58	46.38	46.35	-90.19	-613.30	-2,553.47	1,536.11	1,443.39	92.72	16.567	
10,800.00	6,987.01	10,790.01	6,991.91	47.31	47.28	-90.18	-611.85	-2,653.44	1,536.49	1,441.91	94.58	16.246	
10,900.00	6,985.58	10,890.01	6,990.24	48.25	48.22	-90.17	-610.41	-2,753.42	1,536.86	1,440.41	96.45	15.934	
11,000.00	6,984.15	10,990.01	6,988.58	49.19	49.17	-90.16	-608.96	-2,853.39	1,537.24	1,438.90	98.35	15.631	
11,100.00	6,982.73	11,090.01	6,986.91	50.15	50.12	-90.15	-607.52	-2,953.36	1,537.62	1,437.37	100.25	15.337	
11,200.00	6,981.30	11,190.01	6,985.24	51.11	51.08	-90.14	-606.08	-3,053.34	1,538.00	1,435.83	102.17	15.053	
11,300.00	6,979.87	11,290.00	6,983.57	52.07	52.05	-90.13	-604.63	-3,153.31	1,538.38	1,434.27	104.11	14.777	
11,400.00	6,978.45	11,390.00	6,981.90	53.05	53.02	-90.13	-603.19	-3,253.29	1,538.76	1,432.70	106.06	14.509	
11,500.00	6,977.02	11,490.00	6,980.23	54.03	54.01	-90.12	-601.75	-3,353.26	1,539.14	1,431.12	108.02	14.249	
11,600.00	6,975.59	11,590.00	6,978.56	55.01	54.99	-90.11	-600.30	-3,453.24	1,539.52	1,429.53	109.99	13.997	
11,700.00	6,974.16	11,690.00	6,976.89	56.00	55.98	-90.10	-598.86	-3,553.21	1,539.90	1,427.93	111.97	13.753	
11,800.00	6,972.74	11,790.00	6,975.22	57.00	56.98	-90.09	-597.42	-3,653.19	1,540.27	1,426.32	113.96	13.516	
11,900.00	6,971.31	11,890.00	6,973.55	58.00	57.98	-90.08	-595.97	-3,753.16	1,540.65	1,424.69	115.96	13.286	
12,000.00	6,969.88	11,990.00	6,971.88	59.00	58.99	-90.07	-594.53	-3,853.14	1,541.03	1,423.06	117.97	13.063	
12,100.00	6,968.46	12,090.00	6,970.21	60.01	60.00	-90.06	-593.09	-3,953.11	1,541.41	1,421.42	119.99	12.846	
12,200.00	6,967.03	12,190.00	6,968.55	61.02	61.01	-90.05	-591.64	-4,053.09	1,541.79	1,419.78	122.01	12.636	
12,300.00	6,965.60	12,289.99	6,966.88	62.04	62.03	-90.04	-590.20	-4,153.06	1,542.17	1,418.12	124.05	12.432	
12,400.00	6,964.17	12,389.99	6,965.21	63.06	63.05	-90.04	-588.75	-4,253.04	1,542.55	1,416.46	126.09	12.234	
12,500.00	6,962.75	12,489.99	6,963.54	64.09	64.08	-90.03	-587.31	-4,353.01	1,542.93	1,414.79	128.14	12.041	
12,600.00	6,961.32	12,589.99	6,961.87	65.12	65.10	-90.02	-585.87	-4,452.98	1,543.31	1,413.11	130.20	11.854	
12,700.00	6,959.89	12,689.99	6,960.20	66.15	66.14	-90.01	-584.42	-4,552.96	1,543.69	1,411.43	132.26	11.672	
12,800.00	6,958.47	12,789.99	6,958.53	67.18	67.17	-90.00	-582.98	-4,652.93	1,544.07	1,409.74	134.33	11.495	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 203H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR

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)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,900.00	6,957.04	12,889.99	6,956.86	68.22	68.21	-89.99	-581.54	-4,752.91	1,544.45	1,408.04	136.40	11.323	
13,000.00	6,955.61	12,989.99	6,955.19	69.26	69.25	-89.98	-580.09	-4,852.88	1,544.83	1,406.34	138.48	11.155	
13,100.00	6,954.18	13,089.99	6,953.52	70.30	70.29	-89.97	-578.65	-4,952.86	1,545.20	1,404.64	140.57	10.993	
13,200.00	6,952.76	13,189.99	6,951.85	71.35	71.34	-89.96	-577.21	-5,052.83	1,545.58	1,402.93	142.66	10.834	
13,300.00	6,951.33	13,289.98	6,950.19	72.39	72.39	-89.95	-575.76	-5,152.81	1,545.96	1,401.21	144.75	10.680	
13,400.00	6,949.90	13,389.98	6,948.52	73.44	73.44	-89.95	-574.32	-5,252.78	1,546.34	1,399.49	146.85	10.530	
13,500.00	6,948.48	13,489.98	6,946.85	74.50	74.49	-89.94	-572.88	-5,352.76	1,546.72	1,397.77	148.96	10.384	
13,600.00	6,947.05	13,589.98	6,945.18	75.55	75.55	-89.93	-571.43	-5,452.73	1,547.10	1,396.04	151.07	10.241	
13,700.00	6,945.62	13,689.98	6,943.51	76.61	76.60	-89.92	-569.99	-5,552.71	1,547.48	1,394.30	153.18	10.102	
13,800.00	6,944.19	13,789.98	6,941.84	77.66	77.66	-89.91	-568.55	-5,652.68	1,547.86	1,392.57	155.30	9.967	
13,900.00	6,942.77	13,889.98	6,940.17	78.73	78.72	-89.90	-567.10	-5,752.65	1,548.24	1,390.82	157.42	9.835	
14,000.00	6,941.34	13,989.98	6,938.50	79.79	79.79	-89.89	-565.66	-5,852.63	1,548.62	1,389.08	159.54	9.707	
14,100.00	6,939.91	14,089.98	6,936.83	80.85	80.85	-89.88	-564.21	-5,952.60	1,549.00	1,387.33	161.67	9.581	
14,200.00	6,938.49	14,189.98	6,935.16	81.92	81.92	-89.87	-562.77	-6,052.58	1,549.38	1,385.58	163.80	9.459	
14,300.00	6,937.06	14,289.97	6,933.49	82.98	82.98	-89.87	-561.33	-6,152.55	1,549.76	1,383.83	165.94	9.339	
14,400.00	6,935.63	14,389.97	6,931.83	84.05	84.05	-89.86	-559.88	-6,252.53	1,550.14	1,382.07	168.07	9.223	
14,500.00	6,934.20	14,489.97	6,930.16	85.12	85.12	-89.85	-558.44	-6,352.50	1,550.52	1,380.31	170.22	9.109	
14,600.00	6,932.78	14,589.97	6,928.49	86.20	86.20	-89.84	-557.00	-6,452.48	1,550.90	1,378.54	172.36	8.998	
14,700.00	6,931.35	14,689.97	6,926.82	87.27	87.27	-89.83	-555.55	-6,552.45	1,551.28	1,376.78	174.51	8.890	
14,800.00	6,929.92	14,789.97	6,925.15	88.34	88.35	-89.82	-554.11	-6,652.43	1,551.66	1,375.01	176.65	8.784	
14,900.00	6,928.50	14,889.97	6,923.48	89.42	89.42	-89.81	-552.67	-6,752.40	1,552.04	1,373.24	178.81	8.680	
15,000.00	6,927.07	14,989.97	6,921.81	90.50	90.50	-89.80	-551.22	-6,852.38	1,552.42	1,371.46	180.96	8.579	
15,100.00	6,925.64	15,089.97	6,920.14	91.57	91.58	-89.79	-549.78	-6,952.35	1,552.80	1,369.69	183.12	8.480	
15,200.00	6,924.21	15,189.97	6,918.47	92.65	92.66	-89.79	-548.34	-7,052.33	1,553.18	1,367.91	185.28	8.383	
15,300.00	6,922.79	15,289.96	6,916.80	93.73	93.74	-89.78	-546.89	-7,152.30	1,553.56	1,366.13	187.44	8.288	
15,400.00	6,921.36	15,389.96	6,915.13	94.82	94.82	-89.77	-545.45	-7,252.27	1,553.94	1,364.35	189.60	8.196	
15,500.00	6,919.93	15,489.96	6,913.46	95.90	95.90	-89.76	-544.01	-7,352.25	1,554.32	1,362.56	191.76	8.105	
15,600.00	6,918.51	15,589.96	6,911.80	96.98	96.99	-89.75	-542.56	-7,452.22	1,554.71	1,360.77	193.93	8.017	
15,700.00	6,917.08	15,689.96	6,910.13	98.07	98.07	-89.74	-541.12	-7,552.20	1,555.09	1,358.98	196.10	7.930	
15,800.00	6,915.65	15,789.96	6,908.46	99.15	99.16	-89.73	-539.67	-7,652.17	1,555.47	1,357.19	198.27	7.845	
15,900.00	6,914.22	15,889.96	6,906.79	100.24	100.25	-89.72	-538.23	-7,752.15	1,555.85	1,355.40	200.44	7.762	
16,000.00	6,912.80	15,989.96	6,905.12	101.33	101.33	-89.71	-536.79	-7,852.12	1,556.23	1,353.61	202.62	7.681	
16,100.00	6,911.37	16,089.96	6,903.45	102.42	102.42	-89.71	-535.34	-7,952.10	1,556.61	1,351.81	204.80	7.601	
16,200.00	6,909.94	16,189.96	6,901.78	103.50	103.51	-89.70	-533.90	-8,052.07	1,556.99	1,350.01	206.97	7.523	
16,300.00	6,908.52	16,289.95	6,900.11	104.59	104.60	-89.69	-532.46	-8,152.05	1,557.37	1,348.22	209.15	7.446	
16,400.00	6,907.09	16,389.95	6,898.44	105.69	105.69	-89.68	-531.01	-8,252.02	1,557.75	1,346.42	211.33	7.371	
16,500.00	6,905.66	16,489.95	6,896.77	106.78	106.79	-89.67	-529.57	-8,352.00	1,558.13	1,344.61	213.52	7.297	
16,600.00	6,904.23	16,589.95	6,895.10	107.87	107.88	-89.66	-528.13	-8,451.97	1,558.51	1,342.81	215.70	7.225	
16,700.00	6,902.81	16,689.95	6,893.44	108.96	108.97	-89.65	-526.68	-8,551.94	1,558.89	1,341.01	217.89	7.155	
16,800.00	6,901.38	16,789.95	6,891.77	110.06	110.06	-89.64	-525.24	-8,651.92	1,559.27	1,339.20	220.07	7.085	
16,900.00	6,899.95	16,889.95	6,890.10	111.15	111.16	-89.63	-523.80	-8,751.89	1,559.65	1,337.39	222.26	7.017	
17,000.00	6,898.53	16,989.95	6,888.43	112.25	112.25	-89.63	-522.35	-8,851.87	1,560.04	1,335.58	224.45	6.950	
17,100.00	6,897.10	17,089.95	6,886.76	113.34	113.35	-89.62	-520.91	-8,951.84	1,560.42	1,333.77	226.64	6.885	
17,200.00	6,895.67	17,189.95	6,885.09	114.44	114.45	-89.61	-519.46	-9,051.82	1,560.80	1,331.96	228.83	6.821	
17,300.00	6,894.24	17,289.94	6,883.42	115.53	115.54	-89.60	-518.02	-9,151.79	1,561.18	1,330.15	231.03	6.758	
17,400.00	6,892.82	17,389.94	6,881.75	116.63	116.64	-89.59	-516.58	-9,251.77	1,561.56	1,328.34	233.22	6.696	
17,500.00	6,891.39	17,489.94	6,880.08	117.73	117.74	-89.58	-515.13	-9,351.74	1,561.94	1,326.52	235.42	6.635	
17,600.00	6,889.96	17,589.94	6,878.41	118.83	118.84	-89.57	-513.69	-9,451.72	1,562.32	1,324.71	237.61	6.575	
17,700.00	6,888.54	17,689.94	6,876.74	119.93	119.94	-89.56	-512.25	-9,551.69	1,562.70	1,322.89	239.81	6.516	
17,800.00	6,887.11	17,789.94	6,875.08	121.03	121.04	-89.56	-510.80	-9,651.67	1,563.08	1,321.08	242.01	6.459	
17,877.63	6,886.00	17,854.35	6,874.00	121.88	121.75	-89.55	-509.87	-9,716.06	1,563.44	1,319.88	243.55	6.419 SF	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 204H - OH - Plan #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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	-179.43	-60.00	-0.60	60.00				
100.00	100.00	100.00	100.00	0.25	0.25	-179.43	-60.00	-0.60	60.00	59.50	0.50	119.561	
200.00	200.00	200.00	200.00	0.61	0.61	-179.43	-60.00	-0.60	60.00	58.78	1.22	49.231	
300.00	300.00	300.00	300.00	0.97	0.97	-179.43	-60.00	-0.60	60.00	58.07	1.94	30.997	
400.00	400.00	400.00	400.00	1.33	1.33	-179.43	-60.00	-0.60	60.00	57.35	2.65	22.620	
500.00	500.00	500.00	500.00	1.68	1.68	-179.43	-60.00	-0.60	60.00	56.63	3.37	17.807	
600.00	600.00	600.00	600.00	2.04	2.04	-179.43	-60.00	-0.60	60.00	55.92	4.09	14.683	CC, ES
700.00	699.98	697.66	697.63	2.40	2.38	127.63	-61.84	0.37	62.94	58.16	4.78	13.176	
800.00	799.84	794.78	794.55	2.75	2.71	128.33	-67.31	3.27	71.72	66.27	5.45	13.154	SF
900.00	899.45	890.84	890.06	3.11	3.03	129.15	-76.29	8.03	86.31	80.19	6.13	14.090	
1,000.00	998.70	985.35	983.53	3.47	3.36	129.85	-88.56	14.53	106.63	99.83	6.79	15.701	
1,100.00	1,097.47	1,077.84	1,074.39	3.83	3.68	130.37	-103.86	22.63	132.52	125.07	7.44	17.803	
1,200.00	1,195.62	1,167.92	1,162.13	4.19	4.01	130.67	-121.87	32.16	163.82	155.74	8.08	20.273	
1,300.00	1,293.06	1,255.24	1,246.35	4.56	4.33	130.80	-142.21	42.94	200.32	191.62	8.70	23.018	
1,400.00	1,389.64	1,339.51	1,326.74	4.93	4.65	130.76	-164.52	54.75	241.80	232.50	9.30	26.011	
1,416.53	1,405.52	1,353.12	1,339.64	4.99	4.71	130.74	-168.37	56.79	249.11	239.72	9.40	26.510	
1,500.00	1,485.62	1,420.85	1,403.42	5.30	4.97	131.07	-188.53	67.46	287.31	277.43	9.87	29.098	
1,600.00	1,581.59	1,500.00	1,477.05	5.68	5.29	131.07	-214.17	81.04	335.37	324.94	10.43	32.163	
1,700.00	1,677.55	1,576.28	1,547.02	6.07	5.61	130.81	-241.00	95.25	385.85	374.89	10.96	35.216	
1,800.00	1,773.52	1,650.32	1,613.94	6.45	5.93	130.40	-268.99	110.08	438.64	427.17	11.47	38.248	
1,900.00	1,869.48	1,734.47	1,689.42	6.84	6.30	129.92	-301.88	127.49	492.56	480.46	12.10	40.704	
2,000.00	1,965.45	1,818.63	1,764.90	7.23	6.68	129.53	-334.77	144.91	546.49	533.75	12.74	42.894	
2,100.00	2,061.42	1,902.78	1,840.38	7.63	7.06	129.22	-367.66	162.33	600.45	587.06	13.39	44.858	
2,200.00	2,157.38	1,986.94	1,915.86	8.02	7.45	128.95	-400.54	179.74	654.41	640.37	14.04	46.627	
2,300.00	2,253.35	2,071.10	1,991.34	8.41	7.85	128.73	-433.43	197.16	708.38	693.69	14.69	48.226	
2,400.00	2,349.31	2,155.25	2,066.82	8.81	8.24	128.54	-466.32	214.57	762.35	747.01	15.35	49.678	
2,500.00	2,445.28	2,239.41	2,142.30	9.21	8.64	128.37	-499.21	231.99	816.34	800.33	16.01	51.002	
2,600.00	2,541.24	2,323.56	2,217.78	9.60	9.05	128.22	-532.09	249.41	870.32	853.65	16.67	52.213	
2,700.00	2,637.21	2,407.72	2,293.26	10.00	9.45	128.09	-564.98	266.82	924.31	906.98	17.33	53.324	
2,800.00	2,733.17	2,491.87	2,368.74	10.40	9.86	127.98	-597.87	284.24	978.31	960.30	18.00	54.346	
2,900.00	2,829.14	2,576.03	2,444.22	10.80	10.27	127.88	-630.75	301.65	1,032.30	1,013.63	18.67	55.290	
3,000.00	2,925.10	2,660.19	2,519.70	11.20	10.68	127.78	-663.64	319.07	1,086.30	1,066.96	19.34	56.164	
3,100.00	3,021.07	2,744.34	2,595.18	11.60	11.09	127.70	-696.53	336.49	1,140.30	1,120.28	20.01	56.974	
3,200.00	3,117.04	2,828.50	2,670.66	12.00	11.50	127.62	-729.42	353.90	1,194.30	1,173.61	20.69	57.728	
3,300.00	3,213.00	2,912.65	2,746.14	12.40	11.92	127.56	-762.30	371.32	1,248.30	1,226.94	21.36	58.431	
3,400.00	3,308.97	2,996.81	2,821.62	12.80	12.33	127.49	-795.19	388.74	1,302.31	1,280.27	22.04	59.088	
3,500.00	3,404.93	3,080.96	2,897.10	13.20	12.75	127.43	-828.08	406.15	1,356.31	1,333.59	22.72	59.702	
3,600.00	3,500.90	3,165.12	2,972.58	13.60	13.17	127.38	-860.97	423.57	1,410.32	1,386.92	23.40	60.278	
3,700.00	3,596.86	3,249.28	3,048.06	14.00	13.59	127.33	-893.85	440.98	1,464.32	1,440.25	24.08	60.819	
3,800.00	3,692.83	3,333.43	3,123.54	14.41	14.00	127.28	-926.74	458.40	1,518.33	1,493.57	24.76	61.328	
3,900.00	3,788.79	3,417.59	3,199.02	14.81	14.42	127.24	-959.63	475.82	1,572.34	1,546.90	25.44	61.808	
4,000.00	3,884.76	3,501.74	3,274.50	15.21	14.84	127.20	-992.51	493.23	1,626.35	1,600.22	26.12	62.261	
4,100.00	3,980.73	3,585.90	3,349.98	15.61	15.26	127.16	-1,025.40	510.65	1,680.35	1,653.55	26.80	62.689	
4,200.00	4,076.69	3,670.05	3,425.46	16.01	15.69	127.12	-1,058.29	528.07	1,734.36	1,706.88	27.49	63.094	
4,300.00	4,172.66	3,754.21	3,500.95	16.42	16.11	127.09	-1,091.18	545.48	1,788.37	1,760.20	28.17	63.478	
4,400.00	4,268.62	3,838.37	3,576.43	16.82	16.53	127.06	-1,124.06	562.90	1,842.38	1,813.53	28.86	63.842	
4,500.00	4,364.59	3,922.52	3,651.91	17.22	16.95	127.03	-1,156.95	580.31	1,896.39	1,866.85	29.54	64.188	
4,600.00	4,460.55	4,006.68	3,727.39	17.63	17.37	127.00	-1,189.84	597.73	1,950.41	1,920.17	30.23	64.516	
4,700.00	4,556.52	4,090.83	3,802.87	18.03	17.80	126.97	-1,222.73	615.15	2,004.42	1,973.50	30.92	64.829	
4,800.00	4,652.48	4,174.99	3,878.35	18.43	18.22	126.95	-1,255.61	632.56	2,058.43	2,026.82	31.61	65.127	
4,900.00	4,748.45	4,259.14	3,953.83	18.83	18.64	126.93	-1,288.50	649.98	2,112.44	2,080.15	32.29	65.411	
5,000.00	4,844.42	4,343.30	4,029.31	19.24	19.07	126.90	-1,321.39	667.39	2,166.45	2,133.47	32.98	65.682	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 (Middle) - Camacho 25-26 State Com 204H - OH - Plan #1

Offset Site Error: 0.00 usft

Survey Program: 0-SuperiorQC MWD+IFR1+SAG+FDIR

Rule Assigned:

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	4,940.38	4,427.46	4,104.79	19.64	19.49	126.88	-1,354.27	684.81	2,220.46	2,186.79	33.67	65.941	
5,200.00	5,036.35	4,511.61	4,180.27	20.05	19.91	126.86	-1,387.16	702.23	2,274.48	2,240.11	34.36	66.189	
5,300.00	5,132.31	4,595.77	4,255.75	20.45	20.34	126.84	-1,420.05	719.64	2,328.49	2,293.44	35.05	66.425	
5,400.00	5,228.28	4,679.92	4,331.23	20.85	20.76	126.82	-1,452.94	737.06	2,382.50	2,346.76	35.75	66.652	
5,500.00	5,324.24	4,764.08	4,406.71	21.26	21.19	126.80	-1,485.82	754.48	2,436.52	2,400.08	36.44	66.869	
5,600.00	5,420.21	4,848.23	4,482.19	21.66	21.61	126.79	-1,518.71	771.89	2,490.53	2,453.40	37.13	67.077	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - ANGELL RANCH 26 #001 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 314-INC-ONLY — **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
11,400.00	6,978.45	7,001.12	6,978.45	53.05	151.31	92.11	1,864.19	-5,502.45	2,453.99	2,272.50	181.49	13.521	
11,500.00	6,977.02	6,999.70	6,977.02	54.03	151.26	92.02	1,864.19	-5,502.45	2,361.04	2,179.01	182.03	12.971	
11,600.00	6,975.59	6,998.27	6,975.59	55.01	151.22	91.92	1,864.19	-5,502.45	2,268.69	2,086.05	182.64	12.422	
11,700.00	6,974.16	6,996.84	6,974.16	56.00	151.17	91.83	1,864.19	-5,502.45	2,177.01	1,993.68	183.34	11.874	
11,800.00	6,972.74	7,021.10	6,998.64	57.00	151.98	93.41	1,863.53	-5,502.45	2,085.97	1,900.96	185.02	11.275	
11,900.00	6,971.31	7,019.37	6,996.91	58.00	151.93	93.30	1,863.58	-5,502.45	1,995.94	1,810.04	185.90	10.737	
12,000.00	6,969.88	7,017.65	6,995.19	59.00	151.87	93.19	1,863.62	-5,502.45	1,906.90	1,720.00	186.91	10.202	
12,100.00	6,968.46	7,015.92	6,993.47	60.01	151.81	93.08	1,863.67	-5,502.45	1,819.01	1,630.95	188.05	9.673	
12,200.00	6,967.03	7,014.20	6,991.75	61.02	151.75	92.97	1,863.72	-5,502.45	1,732.42	1,543.07	189.35	9.149	
12,300.00	6,965.60	7,012.48	6,990.03	62.04	151.70	92.86	1,863.76	-5,502.45	1,647.35	1,456.53	190.82	8.633	
12,400.00	6,964.17	7,010.76	6,988.31	63.06	151.64	92.74	1,863.81	-5,502.45	1,564.04	1,371.56	192.49	8.125	
12,500.00	6,962.75	7,009.04	6,986.59	64.09	151.58	92.63	1,863.85	-5,502.45	1,482.80	1,288.44	194.37	7.629	
12,600.00	6,961.32	7,007.32	6,984.88	65.12	151.52	92.52	1,863.90	-5,502.45	1,403.99	1,207.50	196.48	7.146	
12,700.00	6,959.89	7,005.61	6,983.16	66.15	151.46	92.41	1,863.94	-5,502.45	1,328.02	1,129.17	198.85	6.679	
12,800.00	6,958.47	7,003.89	6,981.45	67.18	151.41	92.30	1,863.99	-5,502.45	1,255.43	1,053.96	201.47	6.231	
12,900.00	6,957.04	7,002.18	6,979.73	68.22	151.35	92.19	1,864.03	-5,502.45	1,186.83	982.47	204.36	5.808	
13,000.00	6,955.61	7,000.46	6,978.02	69.26	151.29	92.08	1,864.07	-5,502.45	1,122.94	915.47	207.48	5.412	
13,100.00	6,954.18	6,998.75	6,976.31	70.30	151.23	91.97	1,864.11	-5,502.45	1,064.64	853.84	210.79	5.051	
13,200.00	6,952.76	6,997.04	6,974.60	71.35	151.18	91.86	1,864.15	-5,502.45	1,012.86	798.65	214.21	4.728	
13,300.00	6,951.33	6,995.33	6,972.89	72.39	151.12	91.75	1,864.20	-5,502.45	968.67	751.05	217.62	4.451	
13,400.00	6,949.90	6,993.62	6,971.19	73.44	151.06	91.64	1,864.24	-5,502.45	933.14	712.31	220.83	4.226	
13,500.00	6,948.48	6,991.92	6,969.48	74.50	151.00	91.53	1,864.28	-5,502.45	907.29	683.64	223.65	4.057	
13,600.00	6,947.05	6,990.21	6,967.78	75.55	150.95	91.42	1,864.32	-5,502.45	891.96	666.07	225.89	3.949	
13,687.93	6,945.79	6,988.71	6,966.28	76.48	150.90	91.32	1,864.35	-5,502.45	887.62	660.39	227.23	3.906	CC
13,700.00	6,945.62	6,988.50	6,966.07	76.61	150.89	91.31	1,864.36	-5,502.45	887.70	660.33	227.37	3.904	ES, SF
13,800.00	6,944.19	6,986.80	6,964.37	77.66	150.83	91.20	1,864.39	-5,502.45	894.66	666.66	228.00	3.924	
13,900.00	6,942.77	6,985.10	6,962.67	78.73	150.78	91.09	1,864.43	-5,502.45	912.59	684.78	227.81	4.006	
14,000.00	6,941.34	6,983.40	6,960.97	79.79	150.72	90.98	1,864.47	-5,502.45	940.86	713.98	226.88	4.147	
14,100.00	6,939.91	6,981.70	6,959.27	80.85	150.66	90.87	1,864.51	-5,502.45	978.58	753.20	225.38	4.342	
14,200.00	6,938.49	6,980.00	6,957.57	81.92	150.60	90.76	1,864.54	-5,502.45	1,024.70	801.23	223.47	4.585	
14,300.00	6,937.06	6,978.30	6,955.87	82.98	150.55	90.65	1,864.58	-5,502.45	1,078.14	856.82	221.32	4.871	
14,400.00	6,935.63	6,976.60	6,954.17	84.05	150.49	90.54	1,864.62	-5,502.45	1,137.88	918.82	219.06	5.194	
14,500.00	6,934.20	6,974.90	6,952.48	85.12	150.43	90.43	1,864.65	-5,502.45	1,202.97	986.18	216.79	5.549	
14,600.00	6,932.78	6,973.21	6,950.79	86.20	150.38	90.32	1,864.69	-5,502.45	1,272.60	1,058.02	214.58	5.931	
14,700.00	6,931.35	6,971.51	6,949.09	87.27	150.32	90.21	1,864.72	-5,502.45	1,346.06	1,133.59	212.47	6.335	
14,800.00	6,929.92	6,969.82	6,947.40	88.34	150.26	90.10	1,864.76	-5,502.45	1,422.76	1,212.28	210.48	6.760	
14,900.00	6,928.50	6,968.13	6,945.71	89.42	150.21	89.99	1,864.79	-5,502.45	1,502.20	1,293.58	208.62	7.201	
15,000.00	6,927.07	6,966.44	6,944.02	90.50	150.15	89.89	1,864.82	-5,502.45	1,583.96	1,377.07	206.90	7.656	
15,100.00	6,925.64	6,964.75	6,942.33	91.57	150.09	89.78	1,864.85	-5,502.45	1,667.72	1,462.41	205.31	8.123	
15,200.00	6,924.21	6,963.06	6,940.64	92.65	150.04	89.67	1,864.89	-5,502.45	1,753.18	1,549.33	203.85	8.600	
15,300.00	6,922.79	6,961.37	6,938.96	93.73	149.98	89.56	1,864.92	-5,502.45	1,840.10	1,637.59	202.50	9.087	
15,400.00	6,921.36	6,959.69	6,937.27	94.82	149.92	89.45	1,864.95	-5,502.45	1,928.29	1,727.02	201.27	9.581	
15,500.00	6,919.93	6,958.00	6,935.59	95.90	149.87	89.34	1,864.98	-5,502.45	2,017.58	1,817.44	200.13	10.081	
15,600.00	6,918.51	6,956.32	6,933.91	96.98	149.81	89.23	1,865.01	-5,502.45	2,107.83	1,908.74	199.09	10.587	
15,700.00	6,917.08	6,954.63	6,932.22	98.07	149.75	89.12	1,865.04	-5,502.45	2,198.92	2,000.80	198.12	11.099	
15,800.00	6,915.65	6,952.95	6,930.54	99.15	149.70	89.02	1,865.07	-5,502.45	2,290.76	2,093.52	197.24	11.614	
15,900.00	6,914.22	6,951.27	6,928.86	100.24	149.64	88.91	1,865.10	-5,502.45	2,383.25	2,186.83	196.42	12.134	
16,000.00	6,912.80	6,949.59	6,927.18	101.33	149.58	88.80	1,865.13	-5,502.45	2,476.32	2,280.66	195.66	12.656	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - EDDY GL STATE COM #001 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 500-UNKNOWN — **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)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	36.50	0.00	0.00	172.32	-531.78	71.68	537.83				
100.00	100.00	63.50	100.00	0.25	3.18	172.32	-531.78	71.68	536.59	533.16	3.43	156.513	
200.00	200.00	163.50	200.00	0.61	8.18	172.32	-531.78	71.68	536.59	527.80	8.79	61.042	
300.00	300.00	263.50	300.00	0.97	13.18	172.32	-531.78	71.68	536.59	522.44	14.15	37.915	
400.00	400.00	363.50	400.00	1.33	18.19	172.32	-531.78	71.68	536.59	517.07	19.51	27.497	
500.00	500.00	463.50	500.00	1.68	23.19	172.32	-531.78	71.68	536.59	511.71	24.88	21.570	
600.00	600.00	563.50	600.00	2.04	27.59	172.32	-531.78	71.68	536.59	506.95	29.64	18.105	CC
700.00	699.98	663.48	699.98	2.40	31.65	119.24	-531.78	71.68	537.44	503.39	34.05	15.785	
800.00	799.84	763.34	799.84	2.75	35.70	119.68	-531.78	71.68	540.02	501.56	38.45	14.044	
900.00	899.45	862.95	899.45	3.11	39.74	120.40	-531.78	71.68	544.39	501.54	42.85	12.705	ES
1,000.00	998.70	962.20	998.70	3.47	43.76	121.38	-531.78	71.68	550.68	503.45	47.23	11.659	
1,100.00	1,097.47	1,060.97	1,097.47	3.83	47.75	122.60	-531.78	71.68	559.05	507.47	51.58	10.839	
1,200.00	1,195.62	1,159.12	1,195.62	4.19	51.70	124.02	-531.78	71.68	569.66	513.78	55.89	10.193	
1,300.00	1,293.06	1,256.56	1,293.06	4.56	55.61	125.61	-531.78	71.68	582.73	522.56	60.17	9.685	
1,400.00	1,389.64	1,353.14	1,389.64	4.93	59.50	127.32	-531.78	71.68	598.46	534.04	64.42	9.290	
1,416.53	1,405.52	1,369.02	1,405.52	4.99	60.14	127.62	-531.78	71.68	601.33	536.21	65.12	9.234	
1,500.00	1,485.62	1,449.12	1,485.62	5.30	63.36	129.31	-531.78	71.68	616.30	547.65	68.65	8.978	
1,600.00	1,581.59	1,545.09	1,581.59	5.68	67.21	131.22	-531.78	71.68	634.91	562.04	72.86	8.714	
1,700.00	1,677.55	1,641.05	1,677.55	6.07	71.06	133.04	-531.78	71.68	654.20	577.12	77.08	8.487	
1,800.00	1,773.52	1,737.02	1,773.52	6.45	74.91	134.75	-531.78	71.68	674.11	592.82	81.29	8.292	
1,900.00	1,869.48	1,832.98	1,869.48	6.84	78.76	136.37	-531.78	71.68	694.58	609.08	85.51	8.123	
2,000.00	1,965.45	1,928.95	1,965.45	7.23	82.61	137.89	-531.78	71.68	715.58	625.86	89.72	7.976	
2,100.00	2,061.42	2,024.92	2,061.42	7.63	86.46	139.33	-531.78	71.68	737.05	643.12	93.93	7.847	
2,200.00	2,157.38	2,120.88	2,157.38	8.02	90.30	140.69	-531.78	71.68	758.96	660.82	98.14	7.734	
2,300.00	2,253.35	2,216.85	2,253.35	8.41	94.15	141.98	-531.78	71.68	781.26	678.92	102.34	7.634	
2,400.00	2,349.31	2,312.81	2,349.31	8.81	98.00	143.20	-531.78	71.68	803.93	697.38	106.55	7.545	
2,500.00	2,445.28	2,408.78	2,445.28	9.21	101.84	144.35	-531.78	71.68	826.93	716.18	110.75	7.467	
2,600.00	2,541.24	2,504.74	2,541.24	9.60	105.69	145.44	-531.78	71.68	850.24	735.29	114.96	7.396	
2,700.00	2,637.21	2,600.71	2,637.21	10.00	109.53	146.47	-531.78	71.68	873.84	754.68	119.16	7.333	
2,800.00	2,733.17	2,696.67	2,733.17	10.40	113.37	147.45	-531.78	71.68	897.69	774.33	123.36	7.277	
2,900.00	2,829.14	2,792.64	2,829.14	10.80	117.22	148.38	-531.78	71.68	921.79	794.23	127.56	7.226	
3,000.00	2,925.10	2,888.60	2,925.10	11.20	121.06	149.27	-531.78	71.68	946.10	814.34	131.76	7.181	
3,100.00	3,021.07	2,984.57	3,021.07	11.60	124.90	150.11	-531.78	71.68	970.63	834.67	135.96	7.139	
3,200.00	3,117.04	3,080.54	3,117.04	12.00	128.74	150.90	-531.78	71.68	995.34	855.18	140.16	7.102	
3,300.00	3,213.00	3,176.50	3,213.00	12.40	132.59	151.67	-531.78	71.68	1,020.23	875.87	144.35	7.067	
3,400.00	3,308.97	3,272.47	3,308.97	12.80	136.43	152.39	-531.78	71.68	1,045.28	896.73	148.55	7.036	
3,500.00	3,404.93	3,368.43	3,404.93	13.20	140.27	153.08	-531.78	71.68	1,070.48	917.73	152.75	7.008	
3,600.00	3,500.90	3,464.40	3,500.90	13.60	144.11	153.74	-531.78	71.68	1,095.83	938.88	156.95	6.982	
3,700.00	3,596.86	3,560.36	3,596.86	14.00	147.95	154.37	-531.78	71.68	1,121.31	960.16	161.14	6.958	
3,800.00	3,692.83	3,656.33	3,692.83	14.41	151.80	154.98	-531.78	71.68	1,146.91	981.57	165.34	6.937	
3,900.00	3,788.79	3,752.29	3,788.79	14.81	155.64	155.55	-531.78	71.68	1,172.63	1,003.09	169.54	6.917	
4,000.00	3,884.76	3,848.26	3,884.76	15.21	159.48	156.11	-531.78	71.68	1,198.45	1,024.72	173.73	6.898	
4,100.00	3,980.73	3,944.23	3,980.73	15.61	163.32	156.64	-531.78	71.68	1,224.38	1,046.45	177.93	6.881	
4,200.00	4,076.69	4,040.19	4,076.69	16.01	167.16	157.14	-531.78	71.68	1,250.40	1,068.27	182.12	6.866	
4,300.00	4,172.66	4,136.16	4,172.66	16.42	171.00	157.63	-531.78	71.68	1,276.51	1,090.19	186.32	6.851	
4,400.00	4,268.62	4,232.12	4,268.62	16.82	174.84	158.10	-531.78	71.68	1,302.70	1,112.19	190.52	6.838	
4,500.00	4,364.59	4,328.09	4,364.59	17.22	178.68	158.55	-531.78	71.68	1,328.97	1,134.26	194.71	6.825	
4,600.00	4,460.55	4,424.05	4,460.55	17.63	182.52	158.98	-531.78	71.68	1,355.32	1,156.41	198.91	6.814	
4,700.00	4,556.52	4,520.02	4,556.52	18.03	186.36	159.40	-531.78	71.68	1,381.74	1,178.63	203.10	6.803	
4,800.00	4,652.48	4,615.98	4,652.48	18.43	190.20	159.80	-531.78	71.68	1,408.22	1,200.92	207.30	6.793	
4,900.00	4,748.45	4,711.95	4,748.45	18.83	194.04	160.19	-531.78	71.68	1,434.76	1,223.27	211.49	6.784	
5,000.00	4,844.42	4,807.92	4,844.42	19.24	197.88	160.56	-531.78	71.68	1,461.37	1,245.68	215.69	6.775	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - EDDY GL STATE COM #001 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 500-UNKNOWN

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)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,940.38	4,903.88	4,940.38	19.64	201.72	160.92	-531.78	71.68	1,488.02	1,268.14	219.88	6.767	
5,200.00	5,036.35	4,999.85	5,036.35	20.05	205.56	161.26	-531.78	71.68	1,514.74	1,290.66	224.08	6.760	
5,300.00	5,132.31	5,095.81	5,132.31	20.45	209.40	161.60	-531.78	71.68	1,541.50	1,313.22	228.27	6.753	
5,400.00	5,228.28	5,191.78	5,228.28	20.85	213.24	161.92	-531.78	71.68	1,568.31	1,335.84	232.47	6.746	
5,500.00	5,324.24	5,287.74	5,324.24	21.26	217.08	162.23	-531.78	71.68	1,595.16	1,358.50	236.66	6.740	
5,600.00	5,420.21	5,383.71	5,420.21	21.66	220.92	162.53	-531.78	71.68	1,622.06	1,381.20	240.86	6.734	
5,677.40	5,494.48	5,457.98	5,494.48	21.97	223.90	162.76	-531.78	71.68	1,642.90	1,398.80	244.11	6.730	
5,700.00	5,516.20	5,479.70	5,516.20	22.06	224.76	162.86	-531.78	71.68	1,648.91	1,403.86	245.06	6.729	
5,800.00	5,612.84	5,576.34	5,612.84	22.46	228.63	163.27	-531.78	71.68	1,673.54	1,424.27	249.28	6.714	
5,900.00	5,710.32	5,673.82	5,710.32	22.85	232.53	163.61	-531.78	71.68	1,694.95	1,441.42	253.53	6.685	
6,000.00	5,808.52	5,772.02	5,808.52	23.22	236.46	163.89	-531.78	71.68	1,713.09	1,455.28	257.82	6.645	
6,100.00	5,907.32	5,870.82	5,907.32	23.59	240.41	164.11	-531.78	71.68	1,727.94	1,465.82	262.12	6.592	
6,200.00	6,006.59	5,970.09	6,006.59	23.94	244.39	164.28	-531.78	71.68	1,739.47	1,473.03	266.45	6.528	
6,300.00	6,106.22	6,069.72	6,106.22	24.29	248.37	164.40	-531.78	71.68	1,747.66	1,476.88	270.78	6.454	
6,400.00	6,206.09	6,169.59	6,206.09	24.62	252.37	164.47	-531.78	71.68	1,752.50	1,477.38	275.12	6.370	
6,493.92	6,300.00	6,263.50	6,300.00	24.92	256.13	-142.28	-531.78	71.68	1,753.98	1,474.79	279.20	6.282	
6,500.00	6,306.08	6,269.58	6,306.08	24.94	256.37	-142.28	-531.78	71.68	1,753.98	1,474.52	279.46	6.276	
6,600.00	6,406.08	6,369.58	6,406.08	25.26	260.37	-142.28	-531.78	71.68	1,753.98	1,470.19	283.80	6.180	
6,700.00	6,506.08	6,469.58	6,506.08	25.58	264.37	-142.28	-531.78	71.68	1,753.98	1,465.85	288.13	6.087	
6,750.51	6,556.58	6,520.08	6,556.58	25.74	266.39	-142.28	-531.78	71.68	1,753.98	1,463.66	290.33	6.041	
6,775.00	6,581.07	6,544.57	6,581.07	25.82	267.37	-53.38	-531.78	71.68	1,753.61	1,462.22	291.38	6.018	
6,800.00	6,605.99	6,569.49	6,605.99	25.89	268.37	-53.54	-531.78	71.68	1,752.45	1,460.00	292.46	5.992	
6,825.00	6,630.77	6,594.27	6,630.77	25.96	269.36	-53.81	-531.78	71.68	1,750.53	1,457.00	293.53	5.964	
6,850.00	6,655.36	6,618.86	6,655.36	26.03	270.34	-54.19	-531.78	71.68	1,747.83	1,453.25	294.59	5.933	
6,875.00	6,679.67	6,643.17	6,679.67	26.10	271.32	-54.68	-531.78	71.68	1,744.39	1,448.76	295.63	5.901	
6,900.00	6,703.65	6,667.15	6,703.65	26.16	272.27	-55.28	-531.78	71.68	1,740.22	1,443.55	296.66	5.866	
6,925.00	6,727.22	6,690.72	6,727.22	26.22	273.22	-55.99	-531.78	71.68	1,735.33	1,437.65	297.68	5.830	
6,950.00	6,750.32	6,713.82	6,750.32	26.28	274.14	-56.82	-531.78	71.68	1,729.76	1,431.09	298.68	5.791	
6,975.00	6,772.90	6,736.40	6,772.90	26.34	275.05	-57.74	-531.78	71.68	1,723.54	1,423.89	299.65	5.752	
7,000.00	6,794.88	6,758.38	6,794.88	26.39	275.92	-58.78	-531.78	71.68	1,716.69	1,416.09	300.60	5.711	
7,025.00	6,816.20	6,779.70	6,816.20	26.44	276.78	-59.92	-531.78	71.68	1,709.25	1,407.73	301.52	5.669	
7,050.00	6,836.82	6,800.32	6,836.82	26.49	277.60	-61.16	-531.78	71.68	1,701.26	1,398.85	302.41	5.626	
7,075.00	6,856.67	6,820.17	6,856.67	26.53	278.40	-62.50	-531.78	71.68	1,692.76	1,389.49	303.26	5.582	
7,100.00	6,875.69	6,839.19	6,875.69	26.58	279.16	-63.93	-531.78	71.68	1,683.79	1,379.70	304.09	5.537	
7,125.00	6,893.84	6,857.34	6,893.84	26.62	279.88	-65.44	-531.78	71.68	1,674.41	1,369.53	304.88	5.492	
7,150.00	6,911.07	6,874.57	6,911.07	26.66	280.57	-67.03	-531.78	71.68	1,664.65	1,359.03	305.63	5.447	
7,175.00	6,927.32	6,890.82	6,927.32	26.69	281.22	-68.68	-531.78	71.68	1,654.58	1,348.24	306.34	5.401	
7,200.00	6,942.56	6,906.06	6,942.56	26.73	281.83	-70.39	-531.78	71.68	1,644.23	1,337.22	307.01	5.356	
7,225.00	6,956.74	6,920.24	6,956.74	26.76	282.40	-72.14	-531.78	71.68	1,633.67	1,326.03	307.64	5.310	
7,250.00	6,969.83	6,933.33	6,969.83	26.79	282.92	-73.92	-531.78	71.68	1,622.94	1,314.72	308.22	5.265	
7,275.00	6,981.78	6,945.28	6,981.78	26.81	283.40	-75.71	-531.78	71.68	1,612.11	1,303.35	308.76	5.221	
7,300.00	6,992.56	6,956.06	6,992.56	26.84	283.83	-77.50	-531.78	71.68	1,601.21	1,291.96	309.25	5.178	
7,325.00	7,002.15	6,965.65	7,002.15	26.86	284.22	-79.27	-531.78	71.68	1,590.31	1,280.62	309.70	5.135	
7,350.00	7,010.52	6,974.02	7,010.52	26.88	284.55	-81.01	-531.78	71.68	1,579.47	1,269.37	310.09	5.094	
7,375.00	7,017.65	6,981.15	7,017.65	26.90	284.84	-82.69	-531.78	71.68	1,568.72	1,258.28	310.44	5.053	
7,400.00	7,023.51	6,987.01	7,023.51	26.92	285.07	-84.32	-531.78	71.68	1,558.11	1,247.38	310.73	5.014	
7,425.00	7,028.09	6,991.59	7,028.09	26.93	285.26	-85.87	-531.78	71.68	1,547.71	1,236.73	310.97	4.977	
7,450.00	7,031.38	6,994.88	7,031.38	26.94	285.39	-87.33	-531.78	71.68	1,537.54	1,226.37	311.16	4.941	
7,475.00	7,033.37	6,996.87	7,033.37	26.95	285.47	-88.70	-531.78	71.68	1,527.65	1,216.35	311.30	4.907	
7,500.00	7,034.05	6,997.55	7,034.05	26.96	285.49	-89.98	-531.78	71.68	1,518.08	1,206.70	311.38	4.875	
7,507.32	7,034.00	6,997.50	7,034.00	26.96	285.49	-90.33	-531.78	71.68	1,515.34	1,203.94	311.40	4.866	
7,600.00	7,032.68	6,996.18	7,032.68	27.01	285.44	-90.27	-531.78	71.68	1,483.39	1,171.81	311.58	4.761	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - EDDY GL STATE COM #001 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 500-UNKNOWN — **Rule Assigned:** — **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
7,700.00	7,031.25	6,994.75	7,031.25	27.11	285.38	-90.22	-531.78	71.68	1,454.75	1,142.93	311.82	4.665	
7,800.00	7,029.82	6,993.32	7,029.82	27.26	285.32	-90.16	-531.78	71.68	1,432.54	1,120.44	312.10	4.590	
7,900.00	7,028.40	6,991.90	7,028.40	27.45	285.27	-90.10	-531.78	71.68	1,417.05	1,104.63	312.41	4.536	
8,000.00	7,026.97	6,990.47	7,026.97	27.70	285.21	-90.04	-531.78	71.68	1,408.50	1,095.75	312.75	4.504	
8,070.76	7,025.96	6,989.46	7,025.96	27.92	285.17	-90.00	-531.78	71.68	1,406.72	1,093.72	313.00	4.494	
8,100.00	7,025.54	6,989.04	7,025.54	28.01	285.15	-89.98	-531.78	71.68	1,407.03	1,093.93	313.10	4.494	SF
8,200.00	7,024.11	6,987.61	7,024.11	28.35	285.10	-89.92	-531.78	71.68	1,412.65	1,099.20	313.44	4.507	
8,300.00	7,022.69	6,986.19	7,022.69	28.75	285.04	-89.87	-531.78	71.68	1,425.27	1,111.50	313.78	4.542	
8,400.00	7,021.26	6,984.76	7,021.26	29.18	284.98	-89.81	-531.78	71.68	1,444.73	1,130.64	314.09	4.600	
8,500.00	7,019.83	6,983.33	7,019.83	29.66	284.92	-89.75	-531.78	71.68	1,470.74	1,156.37	314.37	4.678	
8,600.00	7,018.41	6,981.91	7,018.41	30.17	284.87	-89.69	-531.78	71.68	1,502.97	1,188.35	314.62	4.777	
8,700.00	7,016.98	6,980.48	7,016.98	30.72	284.81	-89.63	-531.78	71.68	1,541.02	1,226.19	314.83	4.895	
8,800.00	7,015.55	6,979.05	7,015.55	31.30	284.75	-89.58	-531.78	71.68	1,584.47	1,269.47	315.00	5.030	
8,900.00	7,014.12	6,977.62	7,014.12	31.91	284.70	-89.52	-531.78	71.68	1,632.90	1,317.77	315.13	5.182	
9,000.00	7,012.70	6,976.20	7,012.70	32.55	284.64	-89.46	-531.78	71.68	1,685.88	1,370.64	315.23	5.348	
9,100.00	7,011.27	6,974.77	7,011.27	33.22	284.58	-89.40	-531.78	71.68	1,742.98	1,427.68	315.30	5.528	
9,200.00	7,009.84	6,973.34	7,009.84	33.91	284.53	-89.34	-531.78	71.68	1,803.83	1,488.48	315.34	5.720	
9,300.00	7,008.42	6,971.92	7,008.42	34.62	284.47	-89.29	-531.78	71.68	1,868.04	1,552.68	315.36	5.923	
9,400.00	7,006.99	6,970.49	7,006.99	35.36	284.41	-89.23	-531.78	71.68	1,935.30	1,619.94	315.36	6.137	
9,500.00	7,005.56	6,969.06	7,005.56	36.11	284.35	-89.17	-531.78	71.68	2,005.29	1,689.94	315.35	6.359	
9,600.00	7,004.13	6,967.63	7,004.13	36.89	284.30	-89.11	-531.78	71.68	2,077.73	1,762.41	315.32	6.589	
9,700.00	7,002.71	6,966.21	7,002.71	37.68	284.24	-89.05	-531.78	71.68	2,152.38	1,837.10	315.28	6.827	
9,800.00	7,001.28	6,964.78	7,001.28	38.49	284.18	-89.00	-531.78	71.68	2,229.02	1,913.79	315.23	7.071	
9,900.00	6,999.85	6,963.35	6,999.85	39.32	284.13	-88.94	-531.78	71.68	2,307.44	1,992.27	315.17	7.321	
10,000.00	6,998.43	6,961.93	6,998.43	40.16	284.07	-88.88	-531.78	71.68	2,387.48	2,072.37	315.11	7.577	
10,100.00	6,997.00	6,960.50	6,997.00	41.01	284.01	-88.82	-531.78	71.68	2,468.98	2,153.93	315.05	7.837	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - GUARDIAN 25 STATE COM #001 - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 203-INC-ONLY — **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
8,300.00	7,022.69	7,009.14	7,022.64	28.75	167.85	-117.77	857.61	-2,544.55	2,412.80	2,219.63	193.17	12.491	
8,400.00	7,021.26	7,007.71	7,021.21	29.18	167.81	-116.78	857.62	-2,544.55	2,312.85	2,119.71	193.14	11.975	
8,500.00	7,019.83	7,006.28	7,019.78	29.66	167.78	-115.78	857.62	-2,544.55	2,212.90	2,019.79	193.11	11.459	
8,600.00	7,018.41	7,004.85	7,018.35	30.17	167.74	-114.75	857.62	-2,544.55	2,112.95	1,919.87	193.08	10.943	
8,700.00	7,016.98	7,003.42	7,016.92	30.72	167.71	-113.71	857.62	-2,544.55	2,013.01	1,819.96	193.06	10.427	
8,800.00	7,015.55	7,002.00	7,015.49	31.30	167.67	-112.65	857.63	-2,544.55	1,913.08	1,720.04	193.04	9.911	
8,900.00	7,014.12	7,000.57	7,014.07	31.91	167.63	-111.58	857.63	-2,544.55	1,813.15	1,620.14	193.01	9.394	
9,000.00	7,012.70	6,999.14	7,012.64	32.55	167.60	-110.49	857.63	-2,544.55	1,713.23	1,520.24	192.99	8.877	
9,100.00	7,011.27	6,997.72	7,011.21	33.22	167.56	-109.38	857.63	-2,544.55	1,613.32	1,420.34	192.98	8.360	
9,200.00	7,009.84	6,996.29	7,009.79	33.91	167.53	-108.26	857.63	-2,544.55	1,513.41	1,320.46	192.96	7.843	
9,300.00	7,008.42	6,994.86	7,008.36	34.62	167.49	-107.12	857.64	-2,544.55	1,413.52	1,220.58	192.95	7.326	
9,400.00	7,006.99	6,993.44	7,006.94	35.36	167.46	-105.97	857.64	-2,544.55	1,313.65	1,120.71	192.94	6.809	
9,500.00	7,005.56	6,992.01	7,005.51	36.11	167.42	-104.81	857.64	-2,544.55	1,213.79	1,020.86	192.93	6.291	
9,600.00	7,004.13	6,990.59	7,004.09	36.89	167.39	-103.63	857.64	-2,544.55	1,113.96	921.03	192.93	5.774	
9,700.00	7,002.71	6,989.16	7,002.66	37.68	167.35	-102.45	857.64	-2,544.55	1,014.16	821.23	192.93	5.257	
9,800.00	7,001.28	6,987.74	7,001.24	38.49	167.32	-101.25	857.64	-2,544.55	914.40	721.45	192.94	4.739	
9,900.00	6,999.85	6,986.32	6,999.81	39.32	167.28	-100.04	857.64	-2,544.55	814.70	621.73	192.97	4.222	
10,000.00	6,998.43	6,984.89	6,998.39	40.16	167.25	-98.83	857.65	-2,544.55	715.07	522.06	193.01	3.705	
10,100.00	6,997.00	6,983.47	6,996.97	41.01	167.21	-97.60	857.65	-2,544.55	615.57	422.48	193.09	3.188	
10,200.00	6,995.57	6,982.05	6,995.55	41.88	167.18	-96.37	857.65	-2,544.55	516.25	323.02	193.22	2.672	
10,300.00	6,994.14	6,980.62	6,994.12	42.76	167.14	-95.13	857.65	-2,544.55	417.25	223.78	193.47	2.157	
10,400.00	6,992.72	6,979.20	6,992.70	43.65	167.11	-93.89	857.65	-2,544.55	318.87	124.91	193.97	1.644	Collision Risk Procedures Req.
10,500.00	6,991.29	6,977.78	6,991.28	44.55	167.07	-92.65	857.65	-2,544.55	221.94	26.73	195.21	1.137	Collision Risk Procedures Req.
10,600.00	6,989.86	6,976.36	6,989.86	45.46	167.04	-91.39	856.95	-2,544.55	130.08	-69.41	199.48	0.652	Collision Risk Procedures Req.
10,700.00	6,988.44	6,974.93	6,988.44	46.38	167.00	-90.15	856.95	-2,544.55	67.03	-145.96	212.99	0.315	Collision Risk Procedures Req.
10,712.10	6,988.26	6,974.76	6,988.26	46.49	167.00	-90.00	856.95	-2,544.55	65.92	-147.56	213.48	0.309	Collision Risk Procedures Req., CC, ES
10,800.00	6,987.01	6,973.50	6,987.01	47.31	166.97	-88.91	856.95	-2,544.55	109.83	-91.60	201.43	0.545	Collision Risk Procedures Req.
10,900.00	6,985.58	6,972.08	6,985.58	48.25	166.93	-87.67	856.95	-2,544.55	199.06	3.55	195.51	1.018	Collision Risk Procedures Req.
11,000.00	6,984.15	6,970.65	6,984.15	49.19	166.90	-86.43	856.95	-2,544.55	295.27	101.35	193.92	1.523	Collision Risk Procedures Req.
11,100.00	6,982.73	6,969.22	6,982.73	50.15	166.86	-85.20	856.95	-2,544.55	393.37	200.04	193.33	2.035	
11,200.00	6,981.30	6,967.79	6,981.30	51.11	166.83	-83.97	856.95	-2,544.55	492.23	299.19	193.05	2.550	
11,300.00	6,979.87	6,966.37	6,979.87	52.07	166.79	-82.75	856.95	-2,544.55	591.48	398.58	192.90	3.066	
11,400.00	6,978.45	6,964.94	6,978.45	53.05	166.76	-81.53	856.95	-2,544.55	690.93	498.13	192.80	3.584	
11,500.00	6,977.02	6,963.51	6,977.02	54.03	166.72	-80.32	856.95	-2,544.55	790.52	597.78	192.74	4.101	
11,600.00	6,975.59	6,962.09	6,975.59	55.01	166.68	-79.12	856.95	-2,544.55	890.20	697.50	192.70	4.620	
11,700.00	6,974.16	6,960.66	6,974.16	56.00	166.65	-77.93	856.95	-2,544.55	989.95	797.27	192.67	5.138	
11,800.00	6,972.74	6,959.23	6,972.74	57.00	166.61	-76.75	856.95	-2,544.55	1,089.74	897.08	192.65	5.656	
11,900.00	6,971.31	6,957.80	6,971.31	58.00	166.58	-75.58	856.95	-2,544.55	1,189.56	996.92	192.64	6.175	
12,000.00	6,969.88	6,956.38	6,969.88	59.00	166.54	-74.42	856.95	-2,544.55	1,289.41	1,096.78	192.63	6.694	
12,100.00	6,968.46	6,954.95	6,968.46	60.01	166.51	-73.28	856.95	-2,544.55	1,389.27	1,196.65	192.62	7.212	
12,200.00	6,967.03	6,953.52	6,967.03	61.02	166.47	-72.15	856.95	-2,544.55	1,489.16	1,296.54	192.62	7.731	
12,300.00	6,965.60	6,952.10	6,965.60	62.04	166.44	-71.03	856.95	-2,544.55	1,589.06	1,396.44	192.62	8.250	
12,400.00	6,964.17	6,950.67	6,964.17	63.06	166.40	-69.93	856.95	-2,544.55	1,688.97	1,496.35	192.62	8.769	
12,500.00	6,962.75	6,949.24	6,962.75	64.09	166.37	-68.84	856.95	-2,544.55	1,788.88	1,596.27	192.62	9.287	
12,600.00	6,961.32	6,947.81	6,961.32	65.12	166.33	-67.77	856.95	-2,544.55	1,888.81	1,696.19	192.62	9.806	
12,700.00	6,959.89	6,946.39	6,959.89	66.15	166.30	-66.72	856.95	-2,544.55	1,988.74	1,796.12	192.62	10.324	
12,800.00	6,958.47	6,944.96	6,958.47	67.18	166.26	-65.68	856.95	-2,544.55	2,088.68	1,896.05	192.63	10.843	
12,900.00	6,957.04	6,943.53	6,957.04	68.22	166.23	-64.66	856.95	-2,544.55	2,188.62	1,995.99	192.64	11.361	
13,000.00	6,955.61	6,942.11	6,955.61	69.26	166.19	-63.65	856.95	-2,544.55	2,288.57	2,095.92	192.64	11.880	
13,100.00	6,954.18	6,940.68	6,954.18	70.30	166.16	-62.67	856.95	-2,544.55	2,388.52	2,195.87	192.65	12.398	
13,200.00	6,952.76	6,939.25	6,952.76	71.35	166.12	-61.70	856.95	-2,544.55	2,488.47	2,295.81	192.66	12.916	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - LAKEWOOD STATE COM #001 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 425-INC-ONLY

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	Rule Assigned: Warning
8,700.00	7,016.98	6,978.65	7,015.37	30.72	145.25	-91.11	-459.45	-2,545.13	2,421.66	2,249.37	172.29	14.055	
8,800.00	7,015.55	6,977.34	7,014.06	31.30	145.21	-91.06	-459.45	-2,545.13	2,340.25	2,167.59	172.66	13.554	
8,900.00	7,014.12	6,976.04	7,012.76	31.91	145.18	-91.00	-459.44	-2,545.13	2,260.33	2,087.25	173.09	13.059	
9,000.00	7,012.70	6,974.74	7,011.46	32.55	145.14	-90.95	-459.44	-2,545.13	2,182.07	2,008.50	173.57	12.571	
9,100.00	7,011.27	6,973.43	7,010.16	33.22	145.11	-90.89	-459.44	-2,545.13	2,105.65	1,931.52	174.13	12.093	
9,200.00	7,009.84	6,972.13	7,008.85	33.91	145.07	-90.84	-459.44	-2,545.13	2,031.27	1,856.51	174.76	11.623	
9,300.00	7,008.42	6,970.83	7,007.55	34.62	145.03	-90.79	-459.44	-2,545.13	1,959.18	1,783.71	175.46	11.166	
9,400.00	7,006.99	6,969.53	7,006.25	35.36	145.00	-90.73	-459.44	-2,545.13	1,889.62	1,713.37	176.25	10.721	
9,500.00	7,005.56	6,968.23	7,004.95	36.11	144.96	-90.68	-459.44	-2,545.13	1,822.91	1,645.78	177.13	10.291	
9,600.00	7,004.13	6,966.93	7,003.65	36.89	144.92	-90.62	-459.44	-2,545.13	1,759.34	1,581.25	178.09	9.879	
9,700.00	7,002.71	6,965.63	7,002.35	37.68	144.89	-90.57	-459.44	-2,545.13	1,699.29	1,520.15	179.14	9.486	
9,800.00	7,001.28	6,964.33	7,001.05	38.49	144.85	-90.52	-459.44	-2,545.13	1,643.13	1,462.87	180.26	9.115	
9,900.00	6,999.85	6,963.03	6,999.75	39.32	144.82	-90.46	-459.44	-2,545.13	1,591.28	1,409.82	181.46	8.769	
10,000.00	6,998.43	6,961.66	6,998.43	40.16	144.78	-90.41	-461.55	-2,545.13	1,546.04	1,363.32	182.72	8.461	
10,100.00	6,997.00	6,960.24	6,997.00	41.01	144.74	-90.35	-461.55	-2,545.13	1,504.17	1,320.17	184.00	8.175	
10,200.00	6,995.57	6,958.81	6,995.57	41.88	144.70	-90.29	-461.55	-2,545.13	1,467.93	1,282.63	185.30	7.922	
10,300.00	6,994.14	6,957.38	6,994.14	42.76	144.66	-90.23	-461.55	-2,545.13	1,437.74	1,251.16	186.58	7.706	
10,400.00	6,992.72	6,955.96	6,992.72	43.65	144.62	-90.17	-461.55	-2,545.13	1,413.99	1,226.19	187.81	7.529	
10,500.00	6,991.29	6,954.53	6,991.29	44.55	144.58	-90.11	-461.55	-2,545.13	1,397.02	1,208.07	188.95	7.394	
10,600.00	6,989.86	6,953.10	6,989.86	45.46	144.54	-90.05	-461.55	-2,545.13	1,387.06	1,197.08	189.98	7.301	
10,688.68	6,988.60	6,951.84	6,988.60	46.28	144.50	-90.00	-461.55	-2,545.13	1,384.22	1,193.45	190.77	7.256	CC
10,700.00	6,988.44	6,951.67	6,988.44	46.38	144.50	-89.99	-461.55	-2,545.13	1,384.26	1,193.41	190.86	7.253	ES
10,800.00	6,987.01	6,950.25	6,987.01	47.31	144.46	-89.93	-461.55	-2,545.13	1,388.69	1,197.11	191.58	7.249	SF
10,900.00	6,985.58	6,948.82	6,985.58	48.25	144.42	-89.88	-461.55	-2,545.13	1,400.25	1,208.13	192.12	7.289	
11,000.00	6,984.15	6,947.39	6,984.15	49.19	144.38	-89.82	-461.55	-2,545.13	1,418.79	1,226.31	192.48	7.371	
11,100.00	6,982.73	6,945.97	6,982.73	50.15	144.34	-89.76	-461.55	-2,545.13	1,444.02	1,251.35	192.67	7.495	
11,200.00	6,981.30	6,944.54	6,981.30	51.11	144.30	-89.70	-461.55	-2,545.13	1,475.62	1,282.92	192.70	7.658	
11,300.00	6,979.87	6,943.11	6,979.87	52.07	144.26	-89.64	-461.55	-2,545.13	1,513.17	1,320.58	192.59	7.857	
11,400.00	6,978.45	6,941.68	6,978.45	53.05	144.22	-89.58	-461.55	-2,545.13	1,556.25	1,363.89	192.36	8.090	
11,500.00	6,977.02	6,940.26	6,977.02	54.03	144.18	-89.52	-461.55	-2,545.13	1,604.42	1,412.38	192.04	8.355	
11,600.00	6,975.59	6,938.83	6,975.59	55.01	144.14	-89.46	-461.55	-2,545.13	1,657.22	1,465.59	191.64	8.648	
11,700.00	6,974.16	6,937.40	6,974.16	56.00	144.10	-89.40	-461.55	-2,545.13	1,714.24	1,523.06	191.18	8.967	
11,800.00	6,972.74	6,935.98	6,972.74	57.00	144.06	-89.34	-461.55	-2,545.13	1,775.06	1,584.38	190.68	9.309	
11,900.00	6,971.31	6,934.55	6,971.31	58.00	144.02	-89.28	-461.55	-2,545.13	1,839.31	1,649.15	190.16	9.673	
12,000.00	6,969.88	6,933.12	6,969.88	59.00	143.98	-89.23	-461.55	-2,545.13	1,906.64	1,717.02	189.62	10.055	
12,100.00	6,968.46	6,931.69	6,968.46	60.01	143.94	-89.17	-461.55	-2,545.13	1,976.73	1,787.66	189.08	10.455	
12,200.00	6,967.03	6,930.27	6,967.03	61.02	143.90	-89.11	-461.55	-2,545.13	2,049.31	1,860.77	188.54	10.869	
12,300.00	6,965.60	6,928.84	6,965.60	62.04	143.86	-89.05	-461.55	-2,545.13	2,124.12	1,936.11	188.01	11.298	
12,400.00	6,964.17	6,927.41	6,964.17	63.06	143.82	-88.99	-461.55	-2,545.13	2,200.93	2,013.43	187.49	11.739	
12,500.00	6,962.75	6,925.99	6,962.75	64.09	143.78	-88.93	-461.55	-2,545.13	2,279.53	2,092.54	186.99	12.191	
12,600.00	6,961.32	6,924.56	6,961.32	65.12	143.74	-88.87	-461.55	-2,545.13	2,359.76	2,173.25	186.51	12.652	
12,700.00	6,959.89	6,923.13	6,959.89	66.15	143.70	-88.81	-461.55	-2,545.13	2,441.44	2,255.40	186.04	13.123	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 271H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 26-SuperiorQC MWD+IFR1+SAG+FDIR — **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)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.30	0.00	0.00	0.00	9.01	2,043.00	324.00	2,068.53				
100.00	100.00	104.67	104.37	0.25	0.28	9.01	2,042.48	323.99	2,068.02	2,067.49	0.53	3,909.822	
111.76	111.76	112.06	111.76	0.29	0.30	9.01	2,042.47	324.02	2,068.01	2,067.41	0.60	3,465.856	
200.00	200.00	164.30	163.99	0.61	0.48	9.03	2,042.78	324.53	2,068.71	2,067.61	1.10	1,886.526	
300.00	300.00	251.40	251.07	0.97	0.79	9.04	2,044.36	325.28	2,070.66	2,068.90	1.76	1,177.073	
400.00	400.00	361.55	361.19	1.33	1.18	9.03	2,047.12	325.28	2,073.16	2,070.66	2.50	828.113	
500.00	500.00	449.87	449.50	1.68	1.49	9.05	2,048.66	326.14	2,075.07	2,071.89	3.18	653.434	
600.00	600.00	540.93	540.51	2.04	1.82	9.08	2,050.91	327.65	2,077.77	2,073.91	3.86	538.436	
700.00	699.98	636.30	635.83	2.40	2.16	-44.12	2,053.55	329.36	2,079.54	2,074.98	4.55	456.648	
800.00	799.84	743.88	743.36	2.75	2.54	-44.20	2,056.43	331.43	2,078.73	2,073.43	5.29	392.739	
900.00	899.45	855.32	854.74	3.11	2.94	-44.39	2,058.86	333.61	2,074.93	2,068.89	6.05	343.052	
1,000.00	998.70	967.72	967.12	3.47	3.34	-44.72	2,060.69	335.27	2,068.06	2,061.25	6.81	303.688	
1,100.00	1,097.47	1,070.25	1,069.62	3.83	3.71	-45.12	2,061.88	337.18	2,058.34	2,050.80	7.54	273.150	
1,200.00	1,195.62	1,171.17	1,170.47	4.19	4.07	-45.59	2,062.67	340.72	2,046.09	2,037.83	8.26	247.813	
1,300.00	1,293.06	1,270.93	1,270.09	4.56	4.42	-46.11	2,063.10	346.15	2,031.40	2,022.42	8.97	226.346	
1,400.00	1,389.64	1,367.31	1,366.21	4.93	4.77	-46.68	2,063.23	353.11	2,014.33	2,004.65	9.68	208.014	
1,416.53	1,405.52	1,382.54	1,381.40	4.99	4.82	-46.79	2,063.26	354.25	2,011.31	2,001.51	9.80	205.226	
1,500.00	1,485.62	1,459.43	1,458.08	5.30	5.09	-47.09	2,063.53	359.89	1,996.01	1,985.63	10.38	192.306	
1,600.00	1,581.59	1,554.20	1,552.60	5.68	5.43	-47.47	2,064.10	366.64	1,977.98	1,966.90	11.09	178.424	
1,700.00	1,677.55	1,653.14	1,651.32	6.07	5.79	-47.88	2,064.72	373.43	1,960.03	1,948.22	11.81	165.955	
1,800.00	1,773.52	1,750.93	1,748.89	6.45	6.14	-48.31	2,065.29	379.83	1,942.12	1,929.59	12.53	154.949	
1,900.00	1,869.48	1,847.29	1,845.08	6.84	6.48	-48.75	2,065.95	385.47	1,924.35	1,911.09	13.25	145.180	
2,000.00	1,965.45	1,943.61	1,941.27	7.23	6.83	-49.23	2,066.73	390.38	1,906.75	1,892.77	13.98	136.410	
2,100.00	2,061.42	2,039.85	2,037.42	7.63	7.18	-49.74	2,067.60	394.63	1,889.32	1,874.62	14.70	128.500	
2,200.00	2,157.38	2,138.09	2,135.58	8.02	7.53	-50.28	2,068.54	398.37	1,872.07	1,856.63	15.44	121.278	
2,300.00	2,253.35	2,237.94	2,235.36	8.41	7.89	-50.85	2,069.38	401.95	1,854.85	1,838.67	16.18	114.664	
2,400.00	2,349.31	2,336.12	2,333.49	8.81	8.24	-51.43	2,070.09	405.05	1,837.67	1,820.76	16.91	108.659	
2,500.00	2,445.28	2,433.07	2,430.42	9.21	8.58	-52.05	2,070.82	406.97	1,820.67	1,803.02	17.65	103.178	
2,600.00	2,541.24	2,536.80	2,534.13	9.60	8.95	-52.76	2,071.46	408.20	1,803.74	1,785.34	18.40	98.023	
2,700.00	2,637.21	2,643.64	2,640.97	10.00	9.34	-53.48	2,071.52	409.97	1,786.52	1,767.35	19.17	93.211	
2,800.00	2,733.17	2,730.27	2,727.58	10.40	9.63	-54.09	2,071.52	410.96	1,769.47	1,749.61	19.86	89.090	
2,900.00	2,829.14	2,814.78	2,812.09	10.80	9.93	-54.75	2,072.05	410.31	1,753.31	1,732.76	20.55	85.312	
3,000.00	2,925.10	2,912.39	2,909.68	11.20	10.25	-55.56	2,073.05	408.35	1,737.86	1,716.58	21.28	81.680	
3,100.00	3,021.07	3,016.52	3,013.80	11.60	10.60	-56.41	2,073.69	407.10	1,722.36	1,700.34	22.02	78.223	
3,200.00	3,117.04	3,111.35	3,108.62	12.00	10.92	-57.19	2,074.06	406.39	1,706.94	1,684.21	22.74	75.072	
3,300.00	3,213.00	3,204.60	3,201.86	12.40	11.24	-57.98	2,074.54	405.32	1,692.01	1,668.56	23.45	72.142	
3,400.00	3,308.97	3,312.27	3,309.52	12.80	11.60	-58.92	2,074.84	403.89	1,677.25	1,653.04	24.21	69.279	
3,500.00	3,404.93	3,404.63	3,401.88	13.20	11.91	-59.73	2,074.70	402.72	1,662.44	1,637.51	24.93	66.694	
3,600.00	3,500.90	3,494.03	3,491.27	13.60	12.21	-60.54	2,074.94	401.40	1,648.42	1,622.78	25.64	64.299	
3,700.00	3,596.86	3,586.55	3,583.78	14.00	12.53	-61.39	2,075.40	399.86	1,635.05	1,608.69	26.36	62.028	
3,800.00	3,692.83	3,680.38	3,677.59	14.41	12.85	-62.26	2,076.02	398.22	1,622.25	1,595.16	27.09	59.886	
3,900.00	3,788.79	3,776.98	3,774.18	14.81	13.18	-63.18	2,076.69	396.63	1,609.90	1,582.07	27.83	57.852	
4,000.00	3,884.76	3,872.77	3,869.94	15.21	13.51	-64.10	2,077.26	395.02	1,597.89	1,569.33	28.57	55.936	
4,100.00	3,980.73	3,963.69	3,960.85	15.61	13.82	-64.99	2,077.96	393.31	1,586.52	1,557.22	29.29	54.161	
4,200.00	4,076.69	4,060.80	4,057.94	16.01	14.16	-65.95	2,078.95	391.55	1,575.84	1,545.80	30.04	52.458	
4,300.00	4,172.66	4,168.26	4,165.40	16.42	14.54	-66.95	2,079.76	391.84	1,564.89	1,534.07	30.82	50.773	
4,400.00	4,268.62	4,262.48	4,259.61	16.82	14.87	-67.81	2,080.52	392.93	1,554.22	1,522.66	31.57	49.236	
4,500.00	4,364.59	4,355.80	4,352.91	17.22	15.21	-68.66	2,081.45	394.12	1,544.10	1,511.79	32.31	47.789	
4,600.00	4,460.55	4,449.67	4,446.76	17.63	15.54	-69.54	2,082.58	395.22	1,534.58	1,501.53	33.06	46.422	
4,700.00	4,556.52	4,542.73	4,539.81	18.03	15.87	-70.41	2,083.82	396.34	1,525.58	1,491.77	33.80	45.133	
4,800.00	4,652.48	4,631.92	4,628.98	18.43	16.19	-71.25	2,085.36	397.33	1,517.37	1,482.84	34.53	43.938	
4,900.00	4,748.45	4,722.94	4,719.97	18.83	16.51	-72.11	2,087.40	398.48	1,510.00	1,474.73	35.27	42.810	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 271H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 26-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
5,000.00	4,844.42	4,835.51	4,832.50	19.24	16.91	-73.17	2,090.04	400.16	1,503.12	1,467.04	36.08	41.665	
5,100.00	4,940.38	4,954.50	4,951.47	19.64	17.33	-74.35	2,090.24	401.85	1,494.56	1,457.67	36.89	40.513	
5,200.00	5,036.35	5,046.50	5,043.46	20.05	17.65	-75.28	2,089.91	402.77	1,486.21	1,448.58	37.63	39.496	
5,300.00	5,132.31	5,134.97	5,131.94	20.45	17.97	-76.19	2,090.01	403.58	1,478.76	1,440.40	38.36	38.551	
5,400.00	5,228.28	5,230.44	5,227.40	20.85	18.30	-77.17	2,090.43	404.22	1,472.16	1,433.06	39.10	37.647	
5,500.00	5,324.24	5,324.91	5,321.87	21.26	18.62	-78.21	2,090.21	403.63	1,465.98	1,426.14	39.84	36.796	
5,600.00	5,420.21	5,418.00	5,414.95	21.66	18.94	-79.26	2,089.97	402.50	1,460.56	1,419.99	40.57	36.002	
5,677.40	5,494.48	5,487.28	5,484.22	21.97	19.17	-80.05	2,089.85	401.37	1,456.94	1,415.81	41.13	35.427	
5,700.00	5,516.20	5,508.63	5,505.56	22.06	19.25	-80.28	2,089.82	400.97	1,455.99	1,414.70	41.29	35.262	
5,800.00	5,612.84	5,664.35	5,661.23	22.46	19.78	-81.82	2,087.20	399.59	1,450.86	1,408.68	42.18	34.399	
5,900.00	5,710.32	5,755.29	5,752.13	22.85	20.09	-82.51	2,084.54	400.61	1,444.56	1,401.67	42.89	33.682	
6,000.00	5,808.52	5,847.38	5,844.18	23.22	20.41	-83.06	2,082.83	402.66	1,439.40	1,395.80	43.59	33.019	
6,100.00	5,907.32	5,936.92	5,933.69	23.59	20.72	-83.46	2,081.96	405.02	1,435.39	1,391.10	44.28	32.415	
6,200.00	6,006.59	6,028.82	6,025.55	23.94	21.05	-83.75	2,081.81	407.64	1,432.45	1,387.49	44.97	31.856	
6,300.00	6,106.22	6,114.99	6,111.68	24.29	21.35	-83.91	2,082.23	410.22	1,430.46	1,384.84	45.62	31.354	
6,400.00	6,206.09	6,209.99	6,206.66	24.62	21.69	-84.02	2,082.92	411.80	1,429.71	1,383.41	46.30	30.882	
6,493.92	6,300.00	7,555.29	7,057.56	24.92	26.09	1.33	2,052.25	1,172.65	1,416.55	1,373.79	42.76	33.127	
6,500.00	6,306.08	7,555.46	7,057.56	24.94	26.09	1.34	2,052.24	1,172.81	1,413.31	1,370.45	42.86	32.974	
6,600.00	6,406.08	7,558.14	7,057.64	25.26	26.10	1.47	2,052.13	1,175.49	1,362.77	1,318.24	44.53	30.601	
6,700.00	6,506.08	7,560.79	7,057.71	25.58	26.11	1.60	2,052.03	1,178.14	1,317.89	1,271.69	46.19	28.531	
6,750.51	6,556.58	7,562.11	7,057.75	25.74	26.12	1.66	2,051.97	1,179.46	1,297.55	1,250.55	47.01	27.602	
6,775.00	6,581.07	7,562.16	7,057.75	25.82	26.12	91.81	2,051.97	1,179.51	1,288.30	1,240.91	47.39	27.183	
6,800.00	6,605.99	7,560.97	7,057.72	25.89	26.11	92.91	2,052.02	1,178.32	1,279.31	1,231.54	47.77	26.780	
6,825.00	6,630.77	7,558.55	7,057.65	25.96	26.10	93.88	2,052.12	1,175.91	1,270.81	1,222.68	48.13	26.402	
6,850.00	6,655.36	7,554.91	7,057.55	26.03	26.09	94.72	2,052.27	1,172.27	1,262.82	1,214.34	48.48	26.049	
6,875.00	6,679.67	7,550.06	7,057.41	26.10	26.07	95.43	2,052.47	1,167.42	1,255.37	1,206.56	48.81	25.722	
6,900.00	6,703.65	7,544.66	7,057.26	26.16	26.05	96.04	2,052.69	1,162.03	1,248.46	1,199.35	49.11	25.420	
6,925.00	6,727.22	7,535.98	7,057.00	26.22	26.02	96.43	2,053.05	1,153.36	1,242.12	1,192.71	49.41	25.142	
6,950.00	6,750.32	7,526.07	7,056.69	26.28	25.99	96.70	2,053.47	1,143.46	1,236.33	1,186.65	49.68	24.888	
6,975.00	6,772.90	7,514.98	7,056.29	26.34	25.95	96.86	2,053.93	1,132.39	1,231.08	1,181.16	49.92	24.659	
7,000.00	6,794.88	7,502.76	7,055.81	26.39	25.91	96.91	2,054.44	1,120.19	1,226.38	1,176.23	50.15	24.453	
7,025.00	6,816.20	7,489.47	7,055.23	26.44	25.87	96.86	2,054.99	1,106.93	1,222.21	1,171.85	50.36	24.270	
7,050.00	6,836.82	7,475.17	7,054.53	26.49	25.82	96.73	2,055.58	1,092.65	1,218.55	1,168.00	50.55	24.108	
7,075.00	6,856.67	7,459.89	7,053.72	26.53	25.77	96.51	2,056.22	1,077.41	1,215.38	1,164.67	50.71	23.967	
7,100.00	6,875.69	7,443.72	7,052.77	26.58	25.72	96.23	2,056.89	1,061.28	1,212.67	1,161.81	50.86	23.845	
7,125.00	6,893.84	7,426.90	7,051.63	26.62	25.66	95.89	2,057.59	1,044.52	1,210.40	1,159.42	50.99	23.740	
7,150.00	6,911.07	7,409.49	7,050.26	26.66	25.61	95.49	2,058.33	1,027.18	1,208.55	1,157.45	51.10	23.652	
7,175.00	6,927.32	7,391.53	7,048.64	26.69	25.55	95.06	2,059.11	1,009.31	1,207.09	1,155.90	51.19	23.580	
7,200.00	6,942.56	7,373.07	7,046.75	26.73	25.50	94.59	2,059.92	990.96	1,205.99	1,154.72	51.27	23.522	
7,225.00	6,956.74	7,361.99	7,045.51	26.76	25.46	94.32	2,060.42	979.96	1,205.26	1,153.91	51.34	23.475	
7,250.00	6,969.83	7,339.93	7,042.82	26.79	25.40	93.71	2,061.47	958.10	1,204.83	1,153.44	51.39	23.443	
7,267.04	6,978.10	7,328.99	7,041.38	26.81	25.36	93.41	2,062.03	947.27	1,204.76	1,153.33	51.42	23.428	CC, ES
7,275.00	6,981.78	7,323.82	7,040.68	26.81	25.35	93.27	2,062.31	942.15	1,204.77	1,153.34	51.44	23.422	
7,300.00	6,992.56	7,307.33	7,038.33	26.84	25.30	92.80	2,063.23	925.85	1,205.03	1,153.56	51.47	23.413	SF
7,325.00	7,002.15	7,290.49	7,035.77	26.86	25.25	92.32	2,064.24	909.24	1,205.58	1,154.09	51.49	23.414	
7,350.00	7,010.52	7,265.99	7,031.75	26.88	25.18	91.66	2,065.83	885.12	1,206.42	1,154.92	51.50	23.428	
7,375.00	7,017.65	7,212.90	7,019.45	26.90	25.02	90.33	2,068.53	833.59	1,207.21	1,155.74	51.47	23.455	
7,400.00	7,023.51	7,153.66	6,998.35	26.92	24.85	88.72	2,069.43	778.28	1,207.25	1,155.83	51.42	23.479	
7,425.00	7,028.09	7,119.45	6,983.31	26.93	24.74	87.77	2,069.19	747.57	1,207.09	1,155.72	51.37	23.496	
7,450.00	7,031.38	7,086.92	6,967.32	26.94	24.64	86.87	2,068.54	719.25	1,206.85	1,155.53	51.32	23.516	
7,475.00	7,033.37	7,075.99	6,961.58	26.95	24.60	86.58	2,068.23	709.95	1,206.64	1,155.34	51.30	23.523	
7,500.00	7,034.05	7,049.93	6,947.55	26.96	24.52	85.89	2,067.50	688.01	1,206.47	1,155.23	51.24	23.546	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 271H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 26-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
7,506.49	7,034.01	7,045.74	6,945.27	26.96	24.51	85.78	2,067.40	684.50	1,206.46	1,155.23	51.23	23.551	
7,507.32	7,034.00	7,045.21	6,944.97	26.96	24.51	85.77	2,067.39	684.05	1,206.46	1,155.24	51.23	23.551	
7,600.00	7,032.68	6,979.99	6,908.42	27.01	24.31	84.07	2,066.27	630.05	1,208.15	1,157.07	51.08	23.651	
7,700.00	7,031.25	6,937.94	6,882.87	27.11	24.18	82.88	2,066.12	596.68	1,214.16	1,163.13	51.03	23.791	
7,800.00	7,029.82	6,884.99	6,846.93	27.26	24.02	81.22	2,066.74	557.82	1,225.64	1,174.67	50.98	24.042	
7,900.00	7,028.40	6,884.99	6,846.93	27.45	24.02	81.22	2,066.74	557.82	1,243.09	1,191.94	51.15	24.303	
8,000.00	7,026.97	6,832.28	6,806.92	27.70	23.85	79.40	2,068.09	523.61	1,265.72	1,214.58	51.14	24.749	
8,100.00	7,025.54	6,788.99	6,770.96	28.01	23.71	77.78	2,069.60	499.58	1,295.18	1,244.00	51.18	25.307	
8,200.00	7,024.11	6,788.99	6,770.96	28.35	23.71	77.78	2,069.60	499.58	1,329.92	1,278.48	51.43	25.857	
8,300.00	7,022.69	6,788.99	6,770.96	28.75	23.71	77.78	2,069.60	499.58	1,371.08	1,319.40	51.68	26.529	
8,400.00	7,021.26	6,744.36	6,731.65	29.18	23.56	76.03	2,071.34	478.55	1,416.37	1,364.63	51.73	27.379	
8,500.00	7,019.83	6,727.72	6,716.53	29.66	23.50	75.36	2,071.97	471.62	1,467.04	1,415.14	51.90	28.265	
8,600.00	7,018.41	6,694.99	6,686.17	30.17	23.39	74.04	2,073.20	459.46	1,522.50	1,470.51	51.99	29.285	
8,700.00	7,016.98	6,694.99	6,686.17	30.72	23.39	74.04	2,073.20	459.46	1,581.43	1,529.21	52.21	30.287	
8,800.00	7,015.55	6,694.99	6,686.17	31.30	23.39	74.04	2,073.20	459.46	1,644.33	1,591.91	52.42	31.370	
8,900.00	7,014.12	6,694.99	6,686.17	31.91	23.39	74.04	2,073.20	459.46	1,710.77	1,658.17	52.60	32.525	
9,000.00	7,012.70	6,662.00	6,654.96	32.55	23.28	72.70	2,074.43	448.87	1,779.52	1,726.88	52.64	33.804	
9,100.00	7,011.27	6,650.97	6,644.43	33.22	23.24	72.25	2,074.84	445.63	1,851.23	1,798.47	52.76	35.090	
9,200.00	7,009.84	6,640.85	6,634.72	33.91	23.20	71.84	2,075.22	442.79	1,925.30	1,872.43	52.86	36.421	
9,300.00	7,008.42	6,599.99	6,595.18	34.62	23.06	70.19	2,076.77	432.61	2,002.25	1,949.40	52.85	37.888	
9,400.00	7,006.99	6,599.99	6,595.18	35.36	23.06	70.19	2,076.77	432.61	2,079.97	2,027.00	52.97	39.268	
9,500.00	7,005.56	6,599.99	6,595.18	36.11	23.06	70.19	2,076.77	432.61	2,159.53	2,106.45	53.08	40.687	
9,600.00	7,004.13	6,599.99	6,595.18	36.89	23.06	70.19	2,076.77	432.61	2,240.72	2,187.55	53.17	42.140	
9,700.00	7,002.71	6,599.99	6,595.18	37.68	23.06	70.19	2,076.77	432.61	2,323.38	2,270.12	53.26	43.624	
9,800.00	7,001.28	6,599.99	6,595.18	38.49	23.06	70.19	2,076.77	432.61	2,407.36	2,354.02	53.34	45.136	
9,900.00	6,999.85	6,599.99	6,595.18	39.32	23.06	70.19	2,076.77	432.61	2,492.52	2,439.11	53.41	46.672	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 272H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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	0.54	149.90	1.40	149.91				
100.00	100.00	100.27	100.27	0.25	0.13	0.60	149.83	1.56	149.84	149.46	0.38	396.365	
181.76	181.76	181.76	181.76	0.54	0.40	0.80	149.43	2.10	149.44	148.50	0.94	158.677	
200.00	200.00	199.06	199.06	0.61	0.46	0.84	149.49	2.19	149.51	148.44	1.07	139.956	
300.00	300.00	299.60	299.59	0.97	0.82	1.35	149.84	3.54	149.88	148.10	1.78	84.026	
400.00	400.00	399.28	399.24	1.33	1.17	2.14	150.44	5.61	150.54	148.04	2.50	60.250	
500.00	500.00	499.31	499.24	1.68	1.53	3.03	150.80	7.97	151.01	147.80	3.22	46.964	
600.00	600.00	599.19	599.11	2.04	1.89	3.72	151.23	9.82	151.55	147.62	3.93	38.545	
700.00	699.98	699.22	699.12	2.40	2.25	-49.43	151.73	11.42	151.02	146.38	4.65	32.509	
800.00	799.84	798.36	798.24	2.75	2.60	-50.41	152.35	12.96	148.36	143.01	5.35	27.708	
900.00	899.45	896.52	896.37	3.11	2.95	-52.25	153.82	15.17	144.48	138.42	6.06	23.839	
1,000.00	998.70	994.39	994.10	3.47	3.31	-54.41	156.47	19.56	139.89	133.12	6.77	20.672	
1,100.00	1,097.47	1,092.10	1,091.51	3.83	3.66	-57.01	160.51	26.04	134.88	127.40	7.47	18.046	
1,200.00	1,195.62	1,189.34	1,188.27	4.19	4.01	-60.41	166.15	33.82	129.91	121.73	8.18	15.879	
1,300.00	1,293.06	1,286.38	1,284.62	4.56	4.35	-64.84	173.68	42.51	125.67	116.78	8.89	14.134	
1,400.00	1,389.64	1,382.88	1,380.19	4.93	4.70	-70.36	183.27	51.84	122.94	113.33	9.60	12.802	
1,416.53	1,405.52	1,398.82	1,395.94	4.99	4.76	-71.36	185.09	53.46	122.70	112.98	9.72	12.622	
1,451.84	1,439.40	1,432.92	1,429.62	5.12	4.88	-73.49	189.19	56.98	122.48	112.51	9.97	12.280	CC, ES
1,500.00	1,485.62	1,479.50	1,475.54	5.30	5.04	-76.29	195.25	61.87	122.87	112.55	10.32	11.906	
1,600.00	1,581.59	1,577.66	1,572.14	5.68	5.39	-81.72	209.14	72.44	125.55	114.50	11.05	11.357	
1,700.00	1,677.55	1,676.00	1,668.79	6.07	5.75	-86.72	223.86	82.96	130.05	118.26	11.79	11.028	
1,800.00	1,773.52	1,774.50	1,765.60	6.45	6.10	-91.41	239.03	93.00	136.15	123.61	12.53	10.864	
1,900.00	1,869.48	1,873.95	1,863.35	6.84	6.46	-95.75	254.41	102.99	143.24	129.97	13.28	10.788	
2,000.00	1,965.45	1,973.45	1,961.18	7.23	6.83	-99.74	269.53	113.00	150.89	136.86	14.02	10.759	
2,100.00	2,061.42	2,072.90	2,059.01	7.63	7.19	-103.41	284.37	123.01	159.01	144.25	14.77	10.769	
2,200.00	2,157.38	2,172.19	2,156.72	8.02	7.55	-106.78	298.89	133.00	167.56	152.05	15.51	10.806	
2,300.00	2,253.35	2,270.91	2,253.83	8.41	7.92	-109.75	313.58	142.88	176.81	160.57	16.24	10.887	
2,400.00	2,349.31	2,370.29	2,351.60	8.81	8.28	-112.42	328.43	152.77	186.56	169.58	16.98	10.989	
2,500.00	2,445.28	2,469.95	2,449.66	9.21	8.65	-114.87	343.11	162.88	196.42	178.70	17.71	11.088	
2,600.00	2,541.24	2,569.55	2,547.68	9.60	9.02	-117.12	357.55	173.03	206.45	188.00	18.45	11.190	
2,700.00	2,637.21	2,668.92	2,645.50	10.00	9.38	-119.22	371.66	183.31	216.51	197.33	19.18	11.287	
2,800.00	2,733.17	2,767.49	2,742.68	10.40	9.75	-121.32	384.98	193.05	227.01	207.11	19.91	11.404	
2,900.00	2,829.14	2,866.03	2,839.94	10.80	10.11	-123.38	397.83	202.35	238.07	217.44	20.63	11.540	
3,000.00	2,925.10	2,964.91	2,937.51	11.20	10.47	-125.23	410.91	211.60	249.54	228.19	21.35	11.687	
3,100.00	3,021.07	3,063.56	3,034.87	11.60	10.84	-126.91	423.96	220.76	261.30	239.23	22.07	11.838	
3,200.00	3,117.04	3,161.83	3,131.93	12.00	11.20	-128.55	436.51	229.55	273.50	250.71	22.79	12.001	
3,300.00	3,213.00	3,261.09	3,230.04	12.40	11.56	-130.13	448.90	238.22	286.04	262.53	23.51	12.166	
3,400.00	3,308.97	3,361.18	3,328.83	12.80	11.93	-131.45	462.05	247.40	298.48	274.23	24.24	12.313	
3,500.00	3,404.93	3,459.08	3,425.44	13.20	12.29	-132.61	475.06	256.42	311.03	286.07	24.96	12.462	
3,600.00	3,500.90	3,556.84	3,522.00	13.60	12.65	-133.75	487.72	265.00	324.08	298.41	25.67	12.624	
3,700.00	3,596.86	3,654.79	3,618.83	14.00	13.01	-134.89	499.95	273.19	337.61	311.22	26.38	12.796	
3,800.00	3,692.83	3,752.96	3,715.94	14.41	13.37	-136.00	511.91	281.16	351.47	324.37	27.10	12.970	
3,900.00	3,788.79	3,850.91	3,812.89	14.81	13.73	-137.08	523.56	288.88	365.65	337.84	27.81	13.149	
4,000.00	3,884.76	3,950.42	3,911.42	15.21	14.10	-138.11	535.23	296.60	380.06	351.53	28.53	13.322	
4,100.00	3,980.73	4,049.39	4,009.30	15.61	14.46	-138.97	547.44	304.61	394.29	365.04	29.25	13.480	
4,200.00	4,076.69	4,147.15	4,106.05	16.01	14.82	-139.82	559.13	312.33	408.77	378.81	29.96	13.644	
4,300.00	4,172.66	4,243.95	4,201.94	16.42	15.17	-140.67	570.25	319.63	423.68	393.02	30.66	13.818	
4,400.00	4,268.62	4,340.25	4,297.41	16.82	15.53	-141.52	580.82	326.39	439.19	407.83	31.36	14.005	
4,500.00	4,364.59	4,437.55	4,393.97	17.22	15.88	-142.39	590.98	332.80	455.21	423.15	32.06	14.198	
4,600.00	4,460.55	4,534.02	4,489.77	17.63	16.23	-143.26	600.53	338.88	471.63	438.88	32.75	14.399	
4,700.00	4,556.52	4,631.52	4,586.66	18.03	16.58	-144.13	609.74	344.70	488.49	455.03	33.46	14.601	
4,800.00	4,652.48	4,727.58	4,682.13	18.43	16.93	-144.94	618.79	350.18	505.71	471.56	34.14	14.811	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 272H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **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	4,748.45	4,824.78	4,778.78	18.83	17.28	-145.72	627.79	355.40	523.37	488.52	34.84	15.021	
5,000.00	4,844.42	4,921.80	4,875.28	19.24	17.64	-146.48	636.44	360.45	541.30	505.76	35.54	15.231	
5,100.00	4,940.38	5,017.47	4,970.49	19.64	17.98	-147.22	644.56	365.16	559.63	523.41	36.22	15.450	
5,200.00	5,036.35	5,112.41	5,065.07	20.05	18.32	-148.02	651.53	369.48	578.53	541.64	36.90	15.680	
5,300.00	5,132.31	5,206.74	5,159.19	20.45	18.66	-148.97	656.26	373.48	598.09	560.53	37.56	15.924	
5,400.00	5,228.28	5,289.62	5,242.01	20.85	18.95	-149.97	658.12	376.11	619.21	581.10	38.11	16.250	
5,500.00	5,324.24	5,383.40	5,335.78	21.26	19.27	-151.20	658.14	377.81	642.16	603.42	38.74	16.575	
5,600.00	5,420.21	5,480.41	5,432.77	21.66	19.60	-152.37	658.30	379.59	665.36	625.95	39.41	16.881	
5,677.40	5,494.48	5,554.99	5,507.33	21.97	19.86	-153.21	658.54	380.98	683.45	643.52	39.93	17.115	
5,700.00	5,516.20	5,576.75	5,529.08	22.06	19.94	-153.49	658.62	381.39	688.68	648.60	40.08	17.181	
5,800.00	5,612.84	5,673.55	5,625.87	22.46	20.27	-154.60	659.00	383.14	710.10	669.34	40.76	17.423	
5,900.00	5,710.32	5,772.33	5,724.64	22.85	20.61	-155.51	659.33	384.98	728.53	687.08	41.45	17.578	
6,000.00	5,808.52	5,869.72	5,822.00	23.22	20.95	-156.26	659.32	386.88	743.93	701.81	42.12	17.662	
6,100.00	5,907.32	5,965.53	5,917.80	23.59	21.28	-156.85	659.29	388.47	756.52	713.75	42.78	17.685	
6,200.00	6,006.59	6,060.99	6,013.25	23.94	21.61	-157.26	659.66	389.49	766.44	723.01	43.43	17.648	
6,300.00	6,106.22	6,154.99	6,107.25	24.29	21.94	-157.51	660.24	389.94	773.68	729.62	44.07	17.557	
6,400.00	6,206.09	6,248.99	6,201.25	24.62	22.26	-157.62	660.92	389.59	778.51	733.82	44.69	17.421	
6,493.92	6,300.00	6,338.83	6,291.08	24.92	22.56	-104.40	661.49	388.57	780.82	735.54	45.28	17.246	
6,500.00	6,306.08	7,057.36	6,908.42	24.94	25.10	-114.09	653.98	693.76	779.05	740.50	38.55	20.207	
6,600.00	6,406.08	7,186.97	6,977.22	25.26	25.58	-121.84	643.35	803.02	698.64	661.21	37.43	18.667	
6,700.00	6,506.08	7,394.46	7,052.97	25.58	26.40	-146.73	626.79	994.69	611.55	577.31	34.24	17.860	
6,750.51	6,556.58	7,421.92	7,058.79	25.74	26.51	-151.93	624.18	1,021.40	566.57	531.70	34.87	16.250	
6,775.00	6,581.07	7,431.49	7,060.59	25.82	26.54	-70.19	623.22	1,030.75	544.81	509.51	35.30	15.434	
6,800.00	6,605.99	7,437.19	7,061.61	25.89	26.57	-77.06	622.64	1,036.32	522.60	486.75	35.84	14.581	
6,825.00	6,630.77	7,439.53	7,062.01	25.96	26.58	-83.22	622.40	1,038.62	500.48	464.02	36.47	13.724	
6,850.00	6,655.36	7,439.13	7,061.94	26.03	26.57	-88.56	622.44	1,038.23	478.58	441.41	37.17	12.876	
6,875.00	6,679.67	7,436.45	7,061.48	26.10	26.56	-93.07	622.72	1,035.60	456.96	419.03	37.94	12.045	
6,900.00	6,703.65	7,431.86	7,060.66	26.16	26.55	-96.79	623.18	1,031.11	435.73	396.96	38.77	11.238	
6,925.00	6,727.22	7,425.67	7,059.51	26.22	26.52	-99.78	623.81	1,025.06	414.97	375.30	39.67	10.461	
6,950.00	6,750.32	7,418.11	7,058.04	26.28	26.49	-102.11	624.55	1,017.68	394.75	354.13	40.62	9.718	
6,975.00	6,772.90	7,409.38	7,056.25	26.34	26.46	-103.86	625.40	1,009.18	375.17	333.54	41.63	9.013	
7,000.00	6,794.88	7,400.65	7,054.36	26.39	26.42	-105.30	626.23	1,000.69	356.30	313.64	42.66	8.352	
7,025.00	6,816.20	7,389.03	7,051.71	26.44	26.38	-105.84	627.28	989.43	338.27	294.49	43.78	7.727	
7,050.00	6,836.82	7,376.75	7,048.72	26.49	26.33	-105.98	628.37	977.58	321.13	276.22	44.92	7.149	
7,075.00	6,856.67	7,363.92	7,045.37	26.53	26.28	-105.74	629.49	965.23	305.00	258.92	46.07	6.620	
7,100.00	6,875.69	7,350.59	7,041.66	26.58	26.22	-105.16	630.63	952.49	289.96	242.75	47.21	6.141	
7,125.00	6,893.84	7,336.84	7,037.59	26.62	26.17	-104.25	631.77	939.41	276.15	227.83	48.32	5.715	
7,150.00	6,911.07	7,322.72	7,033.14	26.66	26.11	-103.02	632.92	926.05	263.68	214.32	49.35	5.343	
7,175.00	6,927.32	7,308.27	7,028.32	26.69	26.06	-101.48	634.06	912.48	252.65	202.37	50.27	5.025	
7,200.00	6,942.56	7,293.51	7,023.11	26.73	26.00	-99.65	635.20	898.71	243.17	192.12	51.05	4.764	
7,225.00	6,956.74	7,277.85	7,017.27	26.76	25.94	-97.42	636.39	884.23	235.32	183.69	51.63	4.557	
7,250.00	6,969.83	7,262.00	7,011.04	26.79	25.87	-94.93	637.60	869.71	229.13	177.13	51.99	4.407	
7,275.00	6,981.78	7,246.01	7,004.42	26.81	25.81	-92.22	638.82	855.20	224.62	172.51	52.11	4.311	
7,300.00	6,992.56	7,229.87	6,997.41	26.84	25.75	-89.32	640.05	840.72	221.79	169.81	51.98	4.267	SF
7,325.00	7,002.15	7,213.61	6,990.01	26.86	25.68	-86.24	641.30	826.30	220.59	168.96	51.63	4.272	
7,331.98	7,004.61	7,209.05	6,987.88	26.87	25.67	-85.36	641.65	822.28	220.53	169.03	51.50	4.282	
7,350.00	7,010.52	7,197.17	6,982.19	26.88	25.62	-83.03	642.56	811.89	220.91	169.82	51.09	4.324	
7,375.00	7,017.65	7,179.81	6,973.70	26.90	25.55	-79.60	643.91	796.81	222.59	172.20	50.39	4.417	
7,400.00	7,023.51	7,161.97	6,964.77	26.92	25.49	-76.11	645.32	781.42	225.43	175.84	49.59	4.546	
7,425.00	7,028.09	7,143.67	6,955.43	26.93	25.42	-72.63	646.81	765.76	229.19	180.45	48.74	4.702	
7,450.00	7,031.38	7,124.95	6,945.68	26.94	25.35	-69.20	648.36	749.85	233.69	185.80	47.89	4.880	
7,475.00	7,033.37	7,105.84	6,935.51	26.95	25.28	-65.90	649.98	733.76	238.71	191.64	47.07	5.071	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 272H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
7,500.00	7,034.05	7,087.94	6,925.75	26.96	25.21	-62.94	651.50	718.83	244.14	197.73	46.41	5.260	
7,507.32	7,034.00	7,082.69	6,922.83	26.96	25.19	-62.10	651.93	714.48	245.80	199.56	46.24	5.316	
7,600.00	7,032.68	7,019.12	6,885.58	27.01	24.96	-54.41	656.89	663.23	272.93	228.49	44.44	6.142	
7,700.00	7,031.25	6,961.38	6,848.40	27.11	24.76	-47.84	660.78	619.25	315.01	271.26	43.75	7.200	
7,800.00	7,029.82	6,915.99	6,816.60	27.26	24.60	-43.10	663.30	586.97	368.83	324.63	44.20	8.345	
7,900.00	7,028.40	6,868.30	6,780.98	27.45	24.43	-38.63	665.29	555.34	431.64	387.13	44.52	9.696	
8,000.00	7,026.97	6,820.99	6,743.60	27.70	24.27	-34.78	666.50	526.37	501.49	456.67	44.82	11.189	
8,100.00	7,025.54	6,796.10	6,723.21	28.01	24.18	-32.97	666.86	512.12	576.18	530.34	45.84	12.570	
8,200.00	7,024.11	6,765.60	6,697.58	28.35	24.07	-30.95	667.11	495.58	654.92	608.52	46.40	14.116	
8,300.00	7,022.69	6,726.99	6,664.21	28.75	23.94	-28.66	667.12	476.16	736.90	690.30	46.61	15.811	
8,400.00	7,021.26	6,726.99	6,664.21	29.18	23.94	-28.66	667.12	476.16	821.18	773.65	47.53	17.277	
8,500.00	7,019.83	6,692.18	6,633.32	29.66	23.81	-26.82	666.92	460.14	907.21	859.59	47.62	19.052	
8,600.00	7,018.41	6,672.42	6,615.47	30.17	23.74	-25.86	666.76	451.67	995.07	947.17	47.90	20.773	
8,700.00	7,016.98	6,631.99	6,578.29	30.72	23.60	-24.08	666.32	435.80	1,084.86	1,037.00	47.85	22.671	
8,800.00	7,015.55	6,631.99	6,578.29	31.30	23.60	-24.08	666.32	435.80	1,174.70	1,126.42	48.27	24.334	
8,900.00	7,014.12	6,631.99	6,578.29	31.91	23.60	-24.08	666.32	435.80	1,266.06	1,217.47	48.60	26.053	
9,000.00	7,012.70	6,631.99	6,578.29	32.55	23.60	-24.08	666.32	435.80	1,358.65	1,309.80	48.84	27.816	
9,100.00	7,011.27	6,631.99	6,578.29	33.22	23.60	-24.08	666.32	435.80	1,452.22	1,403.17	49.04	29.613	
9,200.00	7,009.84	6,590.52	6,539.29	33.91	23.45	-22.46	665.70	421.72	1,544.76	1,495.84	48.92	31.578	
9,300.00	7,008.42	6,581.06	6,530.28	34.62	23.42	-22.11	665.53	418.85	1,638.92	1,589.91	49.01	33.438	
9,400.00	7,006.99	6,572.35	6,521.95	35.36	23.38	-21.81	665.36	416.31	1,733.57	1,684.48	49.10	35.309	
9,500.00	7,005.56	6,537.99	6,488.78	36.11	23.26	-20.68	664.63	407.37	1,829.36	1,780.33	49.03	37.313	
9,600.00	7,004.13	6,537.99	6,488.78	36.89	23.26	-20.68	664.63	407.37	1,924.48	1,875.34	49.14	39.163	
9,700.00	7,002.71	6,537.99	6,488.78	37.68	23.26	-20.68	664.63	407.37	2,020.07	1,970.84	49.24	41.029	
9,800.00	7,001.28	6,537.99	6,488.78	38.49	23.26	-20.68	664.63	407.37	2,116.07	2,066.76	49.32	42.907	
9,900.00	6,999.85	6,537.99	6,488.78	39.32	23.26	-20.68	664.63	407.37	2,212.43	2,163.04	49.39	44.796	
10,000.00	6,998.43	6,537.99	6,488.78	40.16	23.26	-20.68	664.63	407.37	2,309.09	2,259.64	49.45	46.694	
10,100.00	6,997.00	6,537.99	6,488.78	41.01	23.26	-20.68	664.63	407.37	2,406.03	2,356.52	49.51	48.600	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 273H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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	0.53	119.90	1.10	119.91				
100.00	100.00	99.63	99.63	0.25	0.13	0.73	120.01	1.53	120.02	119.64	0.38	316.822	
200.00	200.00	199.01	199.00	0.61	0.42	1.33	120.57	2.79	120.61	119.58	1.03	117.419	
300.00	300.00	298.79	298.77	0.97	0.78	1.76	121.50	3.74	121.57	119.82	1.74	69.759	
400.00	400.00	398.63	398.60	1.33	1.13	2.36	122.20	5.04	122.31	119.85	2.46	49.744	
500.00	500.00	498.96	498.91	1.68	1.49	2.82	123.11	6.06	123.26	120.08	3.18	38.803	
600.00	600.00	598.90	598.85	2.04	1.85	3.31	123.94	7.16	124.15	120.26	3.89	31.889	
700.00	699.98	698.69	698.63	2.40	2.21	-50.06	124.87	8.25	124.02	119.42	4.61	26.926	
800.00	799.84	798.52	798.44	2.75	2.57	-51.46	125.96	9.42	121.85	116.53	5.32	22.913	
900.00	899.45	900.05	899.95	3.11	2.93	-53.87	126.53	11.60	117.14	111.10	6.04	19.404	
1,000.00	998.70	1,002.14	1,001.96	3.47	3.29	-57.36	124.96	15.38	108.54	101.79	6.75	16.071	
1,100.00	1,097.47	1,104.10	1,103.70	3.83	3.65	-62.94	120.68	20.27	95.94	88.48	7.46	12.860	
1,200.00	1,195.62	1,204.60	1,203.79	4.19	4.00	-72.98	113.16	25.25	80.09	71.94	8.15	9.828	
1,300.00	1,293.06	1,302.39	1,300.93	4.56	4.34	-91.56	102.81	29.58	65.12	56.29	8.83	7.375	
1,378.89	1,369.33	1,377.83	1,375.72	4.85	4.60	-113.33	93.45	32.94	60.04	50.66	9.38	6.401	CC, ES
1,400.00	1,389.64	1,397.87	1,395.56	4.93	4.67	-119.70	90.84	33.89	60.46	50.93	9.53	6.345	SF
1,416.53	1,405.52	1,413.53	1,411.07	4.99	4.73	-124.68	88.76	34.65	61.39	51.74	9.65	6.364	
1,500.00	1,485.62	1,492.31	1,488.93	5.30	5.01	-146.99	77.62	38.82	72.85	62.62	10.23	7.121	
1,600.00	1,581.59	1,586.25	1,581.46	5.68	5.35	-165.52	62.52	44.84	96.66	85.75	10.91	8.860	
1,700.00	1,677.55	1,678.83	1,672.28	6.07	5.68	-177.22	45.90	51.71	126.63	115.06	11.57	10.946	
1,800.00	1,773.52	1,771.37	1,762.86	6.45	6.03	175.21	28.45	59.00	159.96	147.73	12.23	13.079	
1,900.00	1,869.48	1,863.83	1,853.28	6.84	6.37	170.10	10.67	66.59	195.01	182.11	12.90	15.120	
2,000.00	1,965.45	1,956.51	1,943.89	7.23	6.72	166.50	-7.21	74.31	231.00	217.42	13.57	17.019	
2,100.00	2,061.42	2,048.82	2,034.17	7.63	7.06	163.90	-24.91	81.91	267.54	253.29	14.25	18.777	
2,200.00	2,157.38	2,140.55	2,123.87	8.02	7.41	161.95	-42.56	89.32	304.60	289.68	14.92	20.413	
2,300.00	2,253.35	2,232.71	2,214.01	8.41	7.76	160.43	-60.38	96.60	342.05	326.45	15.60	21.923	
2,400.00	2,349.31	2,325.77	2,305.00	8.81	8.11	159.18	-78.36	104.04	379.62	363.33	16.29	23.297	
2,500.00	2,445.28	2,422.60	2,399.66	9.21	8.49	158.04	-96.91	112.56	416.79	399.76	17.03	24.480	
2,600.00	2,541.24	2,516.19	2,491.11	9.60	8.85	157.03	-114.59	121.69	453.40	435.68	17.73	25.577	
2,700.00	2,637.21	2,606.97	2,579.78	10.00	9.20	156.18	-131.90	130.59	490.24	471.84	18.40	26.637	
2,800.00	2,733.17	2,698.15	2,668.81	10.40	9.55	155.46	-149.54	139.25	527.52	508.43	19.09	27.637	
2,900.00	2,829.14	2,792.53	2,760.97	10.80	9.91	154.81	-167.82	148.23	564.88	545.08	19.80	28.528	
3,000.00	2,925.10	2,888.59	2,854.76	11.20	10.29	154.19	-186.21	157.95	601.84	581.31	20.53	29.315	
3,100.00	3,021.07	2,981.22	2,945.16	11.60	10.65	153.63	-203.83	167.75	638.55	617.32	21.23	30.077	
3,200.00	3,117.04	3,071.41	3,033.16	12.00	11.00	153.15	-221.16	177.18	675.53	653.62	21.91	30.831	
3,300.00	3,213.00	3,162.80	3,122.30	12.40	11.36	152.71	-238.99	186.56	712.87	690.27	22.60	31.540	
3,400.00	3,308.97	3,256.08	3,213.33	12.80	11.72	152.33	-257.13	195.87	750.31	726.99	23.31	32.188	
3,500.00	3,404.93	3,360.51	3,315.49	13.20	12.13	152.01	-276.28	205.93	786.98	762.87	24.11	32.639	
3,600.00	3,500.90	3,469.57	3,422.60	13.60	12.55	151.82	-294.16	215.97	822.21	797.27	24.94	32.963	
3,700.00	3,596.86	3,579.52	3,531.07	14.00	12.97	151.75	-309.20	225.87	855.17	829.40	25.77	33.183	
3,800.00	3,692.83	3,685.39	3,635.76	14.41	13.36	151.78	-322.22	234.75	887.27	860.71	26.56	33.406	
3,900.00	3,788.79	3,814.06	3,763.74	14.81	13.84	152.14	-332.82	242.45	916.94	889.46	27.48	33.369	
4,000.00	3,884.76	3,934.05	3,883.50	15.21	14.26	152.68	-337.07	248.31	942.92	914.61	28.31	33.302	
4,100.00	3,980.73	4,017.76	3,967.14	15.61	14.56	153.14	-339.29	250.96	969.04	940.09	28.95	33.472	
4,200.00	4,076.69	4,124.11	4,073.47	16.01	14.93	153.84	-340.82	252.15	995.12	965.42	29.70	33.504	
4,300.00	4,172.66	4,221.66	4,171.02	16.42	15.26	154.50	-341.39	252.64	1,020.89	990.49	30.40	33.578	
4,400.00	4,268.62	4,321.12	4,270.47	16.82	15.60	155.15	-341.62	253.14	1,046.49	1,015.37	31.11	33.635	
4,500.00	4,364.59	4,420.78	4,370.14	17.22	15.94	155.79	-341.47	253.47	1,071.96	1,040.14	31.82	33.691	
4,600.00	4,460.55	4,521.36	4,470.71	17.63	16.26	156.42	-340.74	253.77	1,097.07	1,064.55	32.52	33.739	
4,700.00	4,556.52	4,618.18	4,567.53	18.03	16.58	157.01	-339.82	254.06	1,122.12	1,088.92	33.19	33.805	
4,800.00	4,652.48	4,716.43	4,665.77	18.43	16.89	157.58	-338.81	254.34	1,147.21	1,113.33	33.88	33.863	
4,900.00	4,748.45	4,816.75	4,766.08	18.83	17.22	158.15	-337.40	254.60	1,172.11	1,137.54	34.57	33.903	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 273H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
5,000.00	4,844.42	4,916.25	4,865.56	19.24	17.54	158.71	-335.51	254.69	1,196.80	1,161.54	35.26	33.941	
5,100.00	4,940.38	5,014.52	4,963.81	19.64	17.85	159.25	-333.37	254.73	1,221.38	1,185.43	35.94	33.980	
5,200.00	5,036.35	5,114.71	5,063.97	20.05	18.18	159.78	-330.91	254.71	1,245.86	1,209.22	36.64	34.006	
5,300.00	5,132.31	5,211.64	5,160.87	20.45	18.49	160.29	-328.32	254.81	1,270.20	1,232.89	37.31	34.041	
5,400.00	5,228.28	5,310.57	5,259.75	20.85	18.81	160.79	-325.52	254.77	1,294.59	1,256.59	38.00	34.067	
5,500.00	5,324.24	5,419.33	5,368.44	21.26	19.17	161.36	-321.39	254.26	1,318.54	1,279.80	38.73	34.041	
5,600.00	5,420.21	5,512.14	5,461.15	21.66	19.47	161.85	-317.27	253.58	1,342.20	1,302.81	39.39	34.075	
5,677.40	5,494.48	5,583.69	5,532.64	21.97	19.70	162.22	-314.31	253.06	1,360.79	1,320.89	39.90	34.108	
5,700.00	5,516.20	5,604.60	5,553.53	22.06	19.77	162.36	-313.48	252.91	1,366.17	1,326.13	40.04	34.117	
5,800.00	5,612.84	5,694.77	5,643.64	22.46	20.07	162.89	-310.26	252.31	1,388.33	1,347.64	40.69	34.123	
5,900.00	5,710.32	5,785.34	5,734.17	22.85	20.36	163.33	-307.74	251.88	1,407.78	1,366.45	41.33	34.065	
6,000.00	5,808.52	5,875.96	5,824.77	23.22	20.66	163.67	-305.88	251.62	1,424.46	1,382.49	41.97	33.943	
6,100.00	5,907.32	5,957.99	5,906.80	23.59	20.93	163.92	-305.18	251.43	1,438.76	1,396.20	42.55	33.811	
6,200.00	6,006.59	6,051.99	6,000.80	23.94	21.24	164.12	-305.16	251.22	1,450.40	1,407.20	43.20	33.573	
6,300.00	6,106.22	6,099.65	6,048.44	24.29	21.40	164.20	-306.22	250.98	1,460.70	1,417.14	43.56	33.536	
6,400.00	6,206.09	6,145.99	6,094.68	24.62	21.56	164.23	-309.20	250.46	1,471.30	1,427.44	43.85	33.550	
6,493.92	6,300.00	6,180.57	6,129.06	24.92	21.69	-142.55	-312.89	249.84	1,481.76	1,437.74	44.01	33.666	
6,500.00	6,306.08	6,182.82	6,131.29	24.94	21.69	-142.56	-313.18	249.79	1,482.47	1,438.44	44.02	33.676	
6,600.00	6,406.08	6,240.99	6,188.60	25.26	21.90	-142.73	-322.90	248.11	1,496.75	1,452.42	44.33	33.762	
6,700.00	6,506.08	6,240.99	6,188.60	25.58	21.90	-142.73	-322.90	248.11	1,514.52	1,470.51	44.01	34.411	
6,750.51	6,556.58	6,281.28	6,227.83	25.74	22.05	-142.91	-331.98	246.85	1,524.73	1,480.47	44.26	34.450	
6,775.00	6,581.07	6,291.96	6,238.15	25.82	22.09	-53.52	-334.68	246.57	1,529.75	1,485.47	44.28	34.551	
6,800.00	6,605.99	6,302.76	6,248.57	25.89	22.13	-53.15	-337.55	246.31	1,534.34	1,490.06	44.28	34.648	
6,825.00	6,630.77	6,334.99	6,279.42	25.96	22.24	-53.09	-346.85	245.68	1,538.72	1,494.19	44.54	34.551	
6,850.00	6,655.36	6,334.99	6,279.42	26.03	22.24	-52.78	-346.85	245.68	1,541.97	1,497.55	44.42	34.715	
6,875.00	6,679.67	6,334.99	6,279.42	26.10	22.24	-52.50	-346.85	245.68	1,544.83	1,500.54	44.29	34.878	
6,900.00	6,703.65	6,372.64	6,315.14	26.16	22.39	-52.87	-358.73	245.96	1,547.04	1,502.43	44.62	34.674	
6,925.00	6,727.22	6,410.42	6,350.69	26.22	22.53	-53.45	-371.34	248.03	1,548.31	1,503.37	44.94	34.453	
6,950.00	6,750.32	6,445.09	6,382.97	26.28	22.66	-54.14	-383.48	251.50	1,548.70	1,503.48	45.23	34.244	
6,975.00	6,772.90	6,466.79	6,402.96	26.34	22.75	-54.69	-391.42	254.42	1,548.40	1,503.03	45.37	34.131	
7,000.00	6,794.88	6,489.42	6,423.60	26.39	22.84	-55.36	-399.95	258.07	1,547.45	1,501.93	45.52	33.996	
7,025.00	6,816.20	6,509.76	6,441.95	26.44	22.92	-56.07	-407.83	261.87	1,545.91	1,500.27	45.65	33.868	
7,050.00	6,836.82	6,527.84	6,458.11	26.49	22.99	-56.81	-415.01	265.67	1,543.85	1,498.10	45.75	33.746	
7,075.00	6,856.67	6,523.99	6,454.68	26.53	22.97	-56.94	-413.47	264.83	1,541.43	1,495.83	45.60	33.804	
7,100.00	6,875.69	6,544.29	6,472.65	26.58	23.06	-57.87	-421.73	269.39	1,538.50	1,492.76	45.74	33.637	
7,125.00	6,893.84	6,551.92	6,479.35	26.62	23.09	-58.45	-424.91	271.20	1,535.27	1,489.54	45.73	33.573	
7,150.00	6,911.07	6,558.65	6,485.22	26.66	23.11	-59.05	-427.76	272.83	1,531.71	1,486.00	45.71	33.507	
7,175.00	6,927.32	6,564.49	6,490.30	26.69	23.14	-59.66	-430.25	274.28	1,527.85	1,482.15	45.69	33.438	
7,200.00	6,942.56	6,569.48	6,494.62	26.73	23.16	-60.28	-432.40	275.54	1,523.70	1,478.03	45.66	33.367	
7,225.00	6,956.74	6,573.63	6,498.21	26.76	23.17	-60.90	-434.20	276.60	1,519.28	1,473.65	45.63	33.293	
7,250.00	6,969.83	6,576.98	6,501.10	26.79	23.19	-61.52	-435.66	277.47	1,514.63	1,469.03	45.60	33.217	
7,275.00	6,981.78	6,579.55	6,503.31	26.81	23.20	-62.15	-436.79	278.15	1,509.74	1,464.18	45.56	33.137	
7,300.00	6,992.56	6,581.37	6,504.87	26.84	23.20	-62.77	-437.59	278.63	1,504.65	1,459.13	45.52	33.054	
7,325.00	7,002.15	6,582.47	6,505.82	26.86	23.21	-63.39	-438.08	278.92	1,499.37	1,453.89	45.48	32.966	
7,350.00	7,010.52	6,582.89	6,506.17	26.88	23.21	-64.01	-438.26	279.03	1,493.92	1,448.48	45.44	32.875	
7,375.00	7,017.65	6,582.63	6,505.95	26.90	23.21	-64.62	-438.15	278.96	1,488.30	1,442.90	45.41	32.778	
7,400.00	7,023.51	6,581.75	6,505.19	26.92	23.21	-65.23	-437.76	278.73	1,482.53	1,437.17	45.37	32.677	
7,425.00	7,028.09	6,580.25	6,503.91	26.93	23.20	-65.83	-437.10	278.33	1,476.63	1,431.30	45.34	32.571	
7,450.00	7,031.38	6,578.17	6,502.12	26.94	23.19	-66.43	-436.19	277.78	1,470.60	1,425.30	45.31	32.459	
7,475.00	7,033.37	6,575.53	6,499.85	26.95	23.18	-67.03	-435.03	277.10	1,464.46	1,419.18	45.28	32.341	
7,500.00	7,034.05	6,572.35	6,497.11	26.96	23.17	-67.62	-433.64	276.27	1,458.21	1,412.95	45.26	32.218	
7,507.32	7,034.00	6,571.32	6,496.22	26.96	23.16	-67.79	-433.20	276.01	1,456.36	1,411.11	45.26	32.180	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 273H - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR

Rule Assigned:

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
7,600.00	7,032.68	6,558.54	6,485.13	27.01	23.11	-67.29	-427.71	272.81	1,435.60	1,390.36	45.24	31.734	
7,700.00	7,031.25	6,523.99	6,454.68	27.11	22.97	-65.93	-413.47	264.83	1,419.77	1,374.81	44.96	31.577	
7,800.00	7,029.82	6,523.99	6,454.68	27.26	22.97	-65.93	-413.47	264.83	1,410.02	1,364.72	45.30	31.128	
7,887.98	7,028.57	6,523.99	6,454.68	27.43	22.97	-65.93	-413.47	264.83	1,407.27	1,361.62	45.65	30.826	
7,900.00	7,028.40	6,523.99	6,454.68	27.45	22.97	-65.93	-413.47	264.83	1,407.32	1,361.62	45.70	30.793	
8,000.00	7,026.97	6,523.99	6,454.68	27.70	22.97	-65.93	-413.47	264.83	1,411.72	1,365.56	46.16	30.582	
8,100.00	7,025.54	6,523.99	6,454.68	28.01	22.97	-65.93	-413.47	264.83	1,423.15	1,376.49	46.66	30.500	
8,200.00	7,024.11	6,491.87	6,425.82	28.35	22.85	-64.65	-400.89	258.50	1,440.64	1,393.93	46.70	30.846	
8,300.00	7,022.69	6,483.56	6,418.27	28.75	22.81	-64.32	-397.71	257.06	1,465.02	1,417.89	47.13	31.088	
8,400.00	7,021.26	6,476.05	6,411.43	29.18	22.78	-64.02	-394.88	255.84	1,495.60	1,448.04	47.56	31.447	
8,500.00	7,019.83	6,469.23	6,405.19	29.66	22.76	-63.75	-392.33	254.78	1,532.03	1,484.04	47.99	31.923	
8,600.00	7,018.41	6,463.01	6,399.49	30.17	22.73	-63.50	-390.02	253.87	1,573.91	1,525.50	48.41	32.511	
8,700.00	7,016.98	6,429.99	6,368.95	30.72	22.60	-62.18	-378.12	249.80	1,621.49	1,573.02	48.47	33.455	
8,800.00	7,015.55	6,429.99	6,368.95	31.30	22.60	-62.18	-378.12	249.80	1,672.79	1,623.88	48.92	34.196	
8,900.00	7,014.12	6,429.99	6,368.95	31.91	22.60	-62.18	-378.12	249.80	1,728.37	1,679.04	49.33	35.039	
9,000.00	7,012.70	6,429.99	6,368.95	32.55	22.60	-62.18	-378.12	249.80	1,787.82	1,738.12	49.69	35.976	
9,100.00	7,011.27	6,429.99	6,368.95	33.22	22.60	-62.18	-378.12	249.80	1,850.76	1,800.74	50.02	36.998	
9,200.00	7,009.84	6,429.99	6,368.95	33.91	22.60	-62.18	-378.12	249.80	1,916.86	1,866.54	50.31	38.098	
9,300.00	7,008.42	6,429.99	6,368.95	34.62	22.60	-62.18	-378.12	249.80	1,985.79	1,935.22	50.57	39.266	
9,400.00	7,006.99	6,429.99	6,368.95	35.36	22.60	-62.18	-378.12	249.80	2,057.28	2,006.48	50.80	40.498	
9,500.00	7,005.56	6,429.99	6,368.95	36.11	22.60	-62.18	-378.12	249.80	2,131.06	2,080.06	51.00	41.785	
9,600.00	7,004.13	6,429.99	6,368.95	36.89	22.60	-62.18	-378.12	249.80	2,206.91	2,155.73	51.18	43.123	
9,700.00	7,002.71	6,429.99	6,368.95	37.68	22.60	-62.18	-378.12	249.80	2,284.62	2,233.29	51.33	44.505	
9,800.00	7,001.28	6,429.99	6,368.95	38.49	22.60	-62.18	-378.12	249.80	2,364.00	2,312.53	51.47	45.929	
9,900.00	6,999.85	6,429.99	6,368.95	39.32	22.60	-62.18	-378.12	249.80	2,444.90	2,393.31	51.59	47.389	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 274H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 26-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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	16.70	0.00	0.00	177.84	-2,118.60	79.90	2,120.17				
100.00	100.00	78.41	95.11	0.25	0.19	177.85	-2,118.67	79.70	2,120.17	2,119.73	0.44	4,841.407	
200.00	200.00	188.79	205.48	0.61	0.58	177.87	-2,118.98	78.66	2,120.45	2,119.26	1.19	1,780.194	
247.69	247.69	230.99	247.69	0.78	0.73	177.88	-2,118.92	78.58	2,120.38	2,118.87	1.51	1,406.773	
300.00	300.00	276.70	293.39	0.97	0.88	177.88	-2,118.96	78.49	2,120.43	2,118.57	1.85	1,145.349	
400.00	400.00	374.71	391.39	1.33	1.23	177.90	-2,119.14	77.68	2,120.58	2,118.02	2.56	828.862	
500.00	500.00	488.83	505.51	1.68	1.63	177.92	-2,118.85	77.11	2,120.26	2,116.94	3.32	639.437	
600.00	600.00	591.33	608.02	2.04	1.98	177.91	-2,118.53	77.22	2,119.95	2,115.93	4.03	526.311	
620.84	620.84	612.93	629.62	2.12	2.06	124.69	-2,118.44	77.26	2,119.91	2,115.74	4.18	507.618	CC, ES
700.00	699.98	689.06	705.75	2.40	2.32	124.71	-2,118.16	77.37	2,120.58	2,115.85	4.72	448.975	
800.00	799.84	785.11	801.79	2.75	2.66	124.77	-2,117.99	77.43	2,123.39	2,117.97	5.41	392.298	
900.00	899.45	882.72	899.40	3.11	3.00	124.87	-2,117.95	77.76	2,128.34	2,122.23	6.11	348.508	
1,000.00	998.70	977.30	993.98	3.47	3.32	124.99	-2,118.01	78.58	2,135.45	2,128.66	6.79	314.347	
1,100.00	1,097.47	1,066.61	1,083.27	3.83	3.64	125.08	-2,118.34	80.60	2,144.93	2,137.46	7.46	287.348	
1,200.00	1,195.62	1,156.77	1,173.35	4.19	3.95	125.17	-2,119.06	84.12	2,156.92	2,148.77	8.14	264.915	
1,300.00	1,293.06	1,246.60	1,263.04	4.56	4.27	125.24	-2,120.07	89.04	2,171.32	2,162.50	8.82	246.143	
1,400.00	1,389.64	1,337.30	1,353.52	4.93	4.59	125.31	-2,121.42	95.26	2,188.17	2,178.66	9.51	230.152	
1,416.53	1,405.52	1,352.47	1,368.63	4.99	4.64	125.32	-2,121.67	96.49	2,191.18	2,181.55	9.62	227.696	
1,500.00	1,485.62	1,429.16	1,444.98	5.30	4.91	125.60	-2,123.02	103.55	2,206.66	2,196.45	10.20	216.338	
1,600.00	1,581.59	1,512.65	1,527.92	5.68	5.21	125.86	-2,124.76	112.93	2,225.59	2,214.72	10.86	204.872	
1,700.00	1,677.55	1,593.05	1,607.58	6.07	5.50	126.07	-2,127.16	123.57	2,245.40	2,233.88	11.52	194.960	
1,800.00	1,773.52	1,687.04	1,700.50	6.45	5.84	126.27	-2,130.40	137.30	2,265.70	2,253.47	12.23	185.327	
1,900.00	1,869.48	1,790.74	1,802.97	6.84	6.21	126.47	-2,133.81	152.92	2,285.87	2,272.90	12.97	176.176	
2,000.00	1,965.45	1,890.14	1,901.18	7.23	6.57	126.66	-2,136.97	167.95	2,305.95	2,292.24	13.71	168.186	
2,100.00	2,061.42	1,989.84	1,999.73	7.63	6.94	126.86	-2,140.02	182.73	2,325.95	2,311.50	14.45	160.964	
2,200.00	2,157.38	2,086.95	2,095.70	8.02	7.29	127.04	-2,142.96	197.20	2,345.95	2,330.76	15.18	154.529	
2,300.00	2,253.35	2,202.76	2,210.19	8.41	7.71	127.26	-2,146.27	214.34	2,365.83	2,349.84	15.99	147.964	
2,400.00	2,349.31	2,319.22	2,325.74	8.81	8.14	127.55	-2,148.30	228.68	2,384.68	2,367.88	16.80	141.953	
2,500.00	2,445.28	2,436.60	2,442.62	9.21	8.57	127.93	-2,149.31	239.38	2,402.86	2,385.25	17.61	136.450	
2,600.00	2,541.24	2,533.66	2,539.50	9.60	8.91	128.31	-2,149.53	245.32	2,420.62	2,402.28	18.34	132.000	
2,700.00	2,637.21	2,608.99	2,614.78	10.00	9.18	128.64	-2,150.11	248.00	2,439.11	2,420.13	18.98	128.525	
2,800.00	2,733.17	2,719.95	2,725.71	10.40	9.58	129.18	-2,150.94	249.82	2,457.88	2,438.12	19.75	124.423	
2,900.00	2,829.14	2,822.65	2,828.41	10.80	9.94	129.68	-2,151.21	250.97	2,476.35	2,455.85	20.50	120.806	
3,000.00	2,925.10	2,924.44	2,930.19	11.20	10.30	130.17	-2,151.14	251.94	2,494.69	2,473.45	21.24	117.454	SF

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 375H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 26-SuperiorQC MWD+IFR1+SAG+FDIR — **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)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.30	0.00	0.00	0.00	9.14	2,013.00	323.80	2,038.88				
100.00	100.00	98.07	97.77	0.25	0.13	9.14	2,013.03	323.88	2,038.92	2,038.54	0.38	5,382.200	
200.00	200.00	195.14	194.84	0.61	0.31	9.15	2,013.15	324.23	2,039.10	2,038.18	0.92	2,223.275	
300.00	300.00	293.76	293.46	0.97	0.66	9.16	2,013.35	324.81	2,039.39	2,037.76	1.63	1,251.801	
400.00	400.00	376.59	376.28	1.33	0.96	9.18	2,013.77	325.27	2,040.01	2,037.72	2.28	893.429	
500.00	500.00	455.30	454.98	1.68	1.23	9.17	2,014.87	325.26	2,041.45	2,038.53	2.92	699.456	
600.00	600.00	560.68	560.33	2.04	1.60	9.14	2,017.22	324.57	2,043.55	2,039.91	3.65	560.468	
700.00	699.98	657.13	656.76	2.40	1.94	-44.13	2,019.27	323.95	2,044.30	2,039.96	4.34	470.772	
800.00	799.84	753.06	752.67	2.75	2.28	-44.28	2,021.51	323.53	2,042.78	2,037.74	5.04	405.558	
900.00	899.45	852.73	852.31	3.11	2.64	-44.52	2,023.89	323.23	2,038.85	2,033.10	5.75	354.628	
1,000.00	998.70	920.30	919.86	3.47	2.88	-44.77	2,025.49	323.09	2,032.72	2,026.37	6.35	320.289	
1,100.00	1,097.47	1,015.89	1,015.40	3.83	3.22	-45.20	2,028.61	322.76	2,024.81	2,017.76	7.05	287.292	
1,200.00	1,195.62	1,106.30	1,105.69	4.19	3.55	-45.71	2,033.15	322.14	2,016.13	2,008.40	7.73	260.746	
1,300.00	1,293.06	1,173.29	1,172.55	4.56	3.79	-46.21	2,037.19	321.53	2,005.96	1,997.63	8.33	240.741	
1,400.00	1,389.64	1,262.69	1,261.76	4.93	4.11	-46.92	2,042.90	320.55	1,994.10	1,985.08	9.02	221.112	
1,416.53	1,405.52	1,277.39	1,276.43	4.99	4.16	-47.04	2,043.87	320.37	1,991.96	1,982.83	9.13	218.104	
1,500.00	1,485.62	1,352.49	1,351.35	5.30	4.43	-47.54	2,049.00	319.36	1,981.28	1,971.57	9.71	204.083	
1,600.00	1,581.59	1,442.75	1,441.37	5.68	4.75	-48.15	2,055.45	317.85	1,969.01	1,958.60	10.40	189.292	
1,700.00	1,677.55	1,539.53	1,537.86	6.07	5.10	-48.83	2,062.62	315.88	1,957.23	1,946.11	11.12	175.959	
1,800.00	1,773.52	1,642.20	1,640.23	6.45	5.47	-49.56	2,070.02	313.29	1,945.50	1,933.63	11.87	163.913	
1,900.00	1,869.48	1,745.43	1,743.17	6.84	5.83	-50.32	2,077.13	310.36	1,933.76	1,921.14	12.62	153.236	
2,000.00	1,965.45	1,849.05	1,846.54	7.23	6.21	-51.09	2,083.86	307.63	1,921.96	1,908.58	13.37	143.717	
2,100.00	2,061.42	1,956.77	1,954.03	7.63	6.59	-51.89	2,090.34	304.95	1,910.01	1,895.87	14.14	135.047	
2,200.00	2,157.38	2,066.77	2,063.84	8.02	6.99	-52.72	2,096.24	302.22	1,897.77	1,882.85	14.92	127.175	
2,300.00	2,253.35	2,193.28	2,190.21	8.41	7.44	-53.68	2,101.51	299.35	1,884.68	1,868.92	15.76	119.605	
2,400.00	2,349.31	2,317.37	2,314.22	8.81	7.88	-54.62	2,104.73	296.94	1,870.40	1,853.82	16.58	112.819	
2,500.00	2,445.28	2,439.56	2,436.39	9.21	8.31	-55.56	2,106.14	294.89	1,855.05	1,837.67	17.39	106.678	
2,600.00	2,541.24	2,535.20	2,532.01	9.60	8.64	-56.31	2,106.58	293.31	1,839.38	1,821.26	18.12	101.538	
2,700.00	2,637.21	2,632.40	2,629.20	10.00	8.98	-57.08	2,106.98	291.55	1,823.99	1,805.14	18.85	96.777	
2,800.00	2,733.17	2,740.55	2,737.33	10.40	9.35	-57.96	2,106.99	289.72	1,808.55	1,788.95	19.61	92.238	
2,900.00	2,829.14	2,848.37	2,845.14	10.80	9.72	-58.84	2,106.28	288.27	1,792.80	1,772.44	20.36	88.038	
3,000.00	2,925.10	2,955.64	2,952.40	11.20	10.08	-59.71	2,104.90	287.33	1,776.76	1,755.65	21.11	84.156	
3,100.00	3,021.07	3,054.42	3,051.17	11.60	10.41	-60.52	2,103.14	286.88	1,760.56	1,738.72	21.84	80.612	
3,200.00	3,117.04	3,145.88	3,142.60	12.00	10.72	-61.29	2,101.62	286.38	1,744.83	1,722.28	22.55	77.377	
3,300.00	3,213.00	3,238.46	3,235.18	12.40	11.03	-62.08	2,100.27	285.76	1,729.68	1,706.41	23.27	74.346	
3,400.00	3,308.97	3,332.41	3,329.12	12.80	11.35	-62.89	2,099.03	285.24	1,715.01	1,691.02	23.99	71.498	
3,500.00	3,404.93	3,422.49	3,419.19	13.20	11.65	-63.67	2,098.02	284.84	1,700.89	1,676.19	24.70	68.857	
3,600.00	3,500.90	3,511.87	3,508.57	13.60	11.96	-64.46	2,097.37	284.39	1,687.53	1,662.11	25.42	66.391	
3,700.00	3,596.86	3,601.34	3,598.03	14.00	12.27	-65.27	2,097.02	283.86	1,674.90	1,648.76	26.14	64.075	
3,800.00	3,692.83	3,693.04	3,689.73	14.41	12.59	-66.10	2,097.00	283.26	1,663.02	1,636.15	26.87	61.886	
3,900.00	3,788.79	3,788.23	3,784.91	14.81	12.93	-66.97	2,097.04	282.54	1,651.65	1,624.03	27.62	59.806	
4,000.00	3,884.76	3,881.24	3,877.93	15.21	13.26	-67.85	2,097.13	281.73	1,640.77	1,612.41	28.36	57.861	
4,100.00	3,980.73	3,973.20	3,969.88	15.61	13.58	-68.72	2,097.44	280.84	1,630.57	1,601.47	29.10	56.041	
4,200.00	4,076.69	4,066.49	4,063.16	16.01	13.91	-69.62	2,097.86	279.77	1,620.97	1,591.13	29.84	54.323	
4,300.00	4,172.66	4,158.49	4,155.16	16.42	14.24	-70.52	2,098.42	278.56	1,612.02	1,581.44	30.58	52.714	
4,400.00	4,268.62	4,250.29	4,246.94	16.82	14.57	-71.42	2,099.22	277.38	1,603.76	1,572.44	31.32	51.205	
4,500.00	4,364.59	4,341.56	4,338.19	17.22	14.89	-72.33	2,100.22	276.00	1,596.24	1,564.18	32.06	49.790	
4,600.00	4,460.55	4,432.56	4,429.18	17.63	15.22	-73.24	2,101.47	274.61	1,589.47	1,556.67	32.80	48.463	
4,700.00	4,556.52	4,529.74	4,526.33	18.03	15.56	-74.22	2,103.12	273.14	1,583.47	1,549.91	33.55	47.192	
4,800.00	4,652.48	4,640.51	4,637.09	18.43	15.95	-75.30	2,104.61	273.14	1,577.08	1,542.73	34.35	45.916	
4,900.00	4,748.45	4,734.04	4,730.61	18.83	16.28	-76.20	2,105.81	273.56	1,570.95	1,535.86	35.09	44.773	
5,000.00	4,844.42	4,845.69	4,842.25	19.24	16.67	-77.28	2,107.21	274.06	1,565.27	1,529.40	35.87	43.631	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 375H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 26-SuperiorQC MWD+IFR1+SAG+FDIR — **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	4,940.38	4,956.64	4,953.20	19.64	17.05	-78.38	2,106.87	274.83	1,558.51	1,521.87	36.65	42.525	
5,200.00	5,036.35	5,045.88	5,042.44	20.05	17.35	-79.27	2,106.50	275.48	1,552.14	1,514.78	37.37	41.539	
5,300.00	5,132.31	5,134.47	5,131.02	20.45	17.65	-80.16	2,106.68	276.12	1,546.78	1,508.70	38.08	40.616	
5,400.00	5,228.28	5,226.60	5,223.14	20.85	17.97	-81.07	2,107.37	276.97	1,542.25	1,503.44	38.81	39.736	
5,500.00	5,324.24	5,321.49	5,318.03	21.26	18.30	-82.01	2,108.22	277.80	1,538.34	1,498.79	39.55	38.895	
5,600.00	5,420.21	5,415.23	5,411.77	21.66	18.63	-82.95	2,109.11	278.53	1,534.98	1,494.70	40.29	38.102	
5,677.40	5,494.48	5,490.15	5,486.68	21.97	18.89	-83.70	2,109.89	279.01	1,532.81	1,491.95	40.86	37.512	
5,700.00	5,516.20	5,512.93	5,509.45	22.06	18.97	-83.91	2,110.10	279.15	1,532.22	1,491.19	41.03	37.341	
5,800.00	5,612.84	5,670.45	5,666.93	22.46	19.51	-85.31	2,108.31	281.19	1,527.99	1,486.07	41.92	36.450	
5,900.00	5,710.32	5,760.10	5,756.52	22.85	19.82	-85.94	2,106.12	283.31	1,522.84	1,480.22	42.62	35.730	
6,000.00	5,808.52	5,846.91	5,843.30	23.22	20.11	-86.43	2,104.80	285.52	1,518.86	1,475.55	43.30	35.074	
6,100.00	5,907.32	5,935.52	5,931.89	23.59	20.42	-86.84	2,104.07	287.54	1,515.98	1,472.00	43.98	34.469	
6,200.00	6,006.59	6,029.74	6,026.08	23.94	20.74	-87.17	2,103.76	289.55	1,513.88	1,469.22	44.66	33.897	
6,300.00	6,106.22	6,123.60	6,119.92	24.29	21.06	-87.38	2,103.77	291.39	1,512.38	1,467.05	45.33	33.362	
6,400.00	6,206.09	6,219.34	6,215.66	24.62	21.39	-87.49	2,103.92	292.87	1,511.41	1,465.42	46.00	32.858	
6,493.92	6,300.00	6,316.74	6,313.04	24.92	21.73	-34.27	2,103.93	294.17	1,510.66	1,464.02	46.64	32.393	
6,500.00	6,306.08	6,323.23	6,319.53	24.94	21.75	-34.27	2,103.92	294.26	1,510.60	1,463.93	46.68	32.363	
6,600.00	6,406.08	6,429.55	6,425.85	25.26	22.12	-34.24	2,103.43	295.63	1,509.49	1,462.13	47.36	31.874	
6,700.00	6,506.08	6,531.94	6,528.22	25.58	22.47	-34.22	2,102.52	296.93	1,508.05	1,460.02	48.03	31.399	
6,750.51	6,556.58	6,581.58	6,577.86	25.74	22.64	-34.22	2,101.89	297.27	1,507.32	1,458.96	48.36	31.168	
6,775.00	6,581.07	6,606.54	6,602.81	25.82	22.73	54.82	2,101.53	297.37	1,506.61	1,458.09	48.52	31.050	
6,800.00	6,605.99	6,632.15	6,628.42	25.89	22.82	55.02	2,101.14	297.46	1,505.13	1,456.45	48.68	30.918	
6,825.00	6,630.77	6,657.62	6,653.89	25.96	22.90	55.34	2,100.74	297.55	1,502.89	1,454.05	48.84	30.772	
6,850.00	6,655.36	6,680.99	6,677.25	26.03	22.98	55.77	2,100.35	297.63	1,499.91	1,450.92	48.99	30.618	
6,875.00	6,679.67	6,702.24	6,698.50	26.10	23.06	56.29	2,100.03	297.69	1,496.24	1,447.11	49.13	30.455	
6,900.00	6,703.65	6,721.73	6,717.99	26.16	23.12	56.90	2,099.81	297.76	1,491.95	1,442.69	49.26	30.285	
6,925.00	6,727.22	6,740.88	6,737.14	26.22	23.19	57.62	2,099.67	297.82	1,487.06	1,437.66	49.39	30.106	
6,950.00	6,750.32	6,759.65	6,755.90	26.28	23.25	58.43	2,099.59	297.89	1,481.58	1,432.06	49.52	29.918	
6,975.00	6,772.90	6,779.01	6,775.27	26.34	23.32	59.35	2,099.59	297.96	1,475.55	1,425.90	49.65	29.721	
7,000.00	6,794.88	6,802.98	6,799.24	26.39	23.41	60.47	2,099.62	298.11	1,468.94	1,419.15	49.78	29.507	
7,025.00	6,816.20	6,826.12	6,822.37	26.44	23.49	61.70	2,099.66	298.35	1,461.75	1,411.84	49.91	29.286	
7,050.00	6,836.82	6,848.36	6,844.61	26.49	23.56	63.03	2,099.73	298.65	1,454.04	1,404.00	50.04	29.059	
7,075.00	6,856.67	6,869.64	6,865.89	26.53	23.64	64.46	2,099.80	299.01	1,445.85	1,395.70	50.16	28.827	
7,100.00	6,875.69	6,888.38	6,884.63	26.58	23.70	65.93	2,099.87	299.36	1,437.25	1,386.99	50.26	28.594	
7,125.00	6,893.84	6,906.21	6,902.45	26.62	23.77	67.48	2,099.93	299.70	1,428.30	1,377.93	50.37	28.358	
7,150.00	6,911.07	6,923.10	6,919.34	26.66	23.82	69.10	2,099.99	300.01	1,419.05	1,368.59	50.46	28.121	
7,175.00	6,927.32	6,939.01	6,935.25	26.69	23.88	70.76	2,100.05	300.30	1,409.56	1,359.00	50.55	27.882	
7,200.00	6,942.56	6,953.89	6,950.13	26.73	23.93	72.46	2,100.10	300.57	1,399.87	1,349.24	50.64	27.645	
7,225.00	6,956.74	6,967.67	6,963.90	26.76	23.98	74.17	2,100.14	300.82	1,390.06	1,339.34	50.72	27.408	
7,250.00	6,969.83	6,980.20	6,976.43	26.79	24.02	75.89	2,100.19	301.04	1,380.17	1,329.38	50.79	27.175	
7,275.00	6,981.78	6,991.62	6,987.85	26.81	24.06	77.60	2,100.22	301.24	1,370.27	1,319.41	50.85	26.945	
7,300.00	6,992.56	7,001.89	6,998.12	26.84	24.10	79.28	2,100.25	301.41	1,360.40	1,309.49	50.91	26.720	
7,325.00	7,002.15	7,010.99	7,007.21	26.86	24.13	80.92	2,100.28	301.57	1,350.63	1,299.67	50.97	26.500	
7,350.00	7,010.52	7,018.88	7,015.11	26.88	24.16	82.50	2,100.31	301.70	1,341.01	1,290.00	51.01	26.288	
7,375.00	7,017.65	7,025.55	7,021.77	26.90	24.18	84.00	2,100.33	301.80	1,331.59	1,280.53	51.05	26.083	
7,400.00	7,023.51	7,030.97	7,027.19	26.92	24.20	85.43	2,100.34	301.89	1,322.41	1,271.33	51.08	25.887	
7,425.00	7,028.09	7,035.12	7,031.35	26.93	24.22	86.75	2,100.36	301.96	1,313.54	1,262.43	51.11	25.700	
7,450.00	7,031.38	7,038.00	7,034.22	26.94	24.23	87.98	2,100.37	302.00	1,305.00	1,253.87	51.13	25.524	
7,475.00	7,033.37	7,039.58	7,035.81	26.95	24.23	89.08	2,100.37	302.03	1,296.84	1,245.70	51.14	25.359	
7,500.00	7,034.05	7,039.87	7,036.09	26.96	24.23	90.08	2,100.37	302.03	1,289.09	1,237.95	51.14	25.205	
7,507.32	7,034.00	7,039.71	7,035.93	26.96	24.23	90.34	2,100.37	302.03	1,286.90	1,235.76	51.14	25.162	
7,600.00	7,032.68	7,036.94	7,033.17	27.01	24.22	90.21	2,100.36	301.99	1,262.57	1,211.40	51.17	24.676	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 375H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 26-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
7,700.00	7,031.25	7,033.94	7,030.17	27.11	24.21	90.07	2,100.35	301.94	1,243.54	1,192.31	51.23	24.273	
7,800.00	7,029.82	7,030.93	7,027.15	27.26	24.20	89.93	2,100.34	301.89	1,232.35	1,181.01	51.34	24.003	
7,888.66	7,028.56	7,028.23	7,024.46	27.43	24.19	89.81	2,100.34	301.85	1,229.16	1,177.68	51.48	23.879	CC, ES
7,900.00	7,028.40	7,027.89	7,024.11	27.45	24.19	89.79	2,100.34	301.84	1,229.21	1,177.72	51.49	23.872	SF
8,000.00	7,026.97	7,024.83	7,021.05	27.70	24.18	89.65	2,100.33	301.79	1,234.18	1,182.51	51.68	23.882	
8,100.00	7,025.54	7,021.75	7,017.98	28.01	24.17	89.51	2,100.32	301.74	1,247.18	1,195.28	51.89	24.034	
8,200.00	7,024.11	7,018.66	7,014.88	28.35	24.16	89.36	2,100.31	301.69	1,267.94	1,215.82	52.12	24.327	
8,300.00	7,022.69	7,015.54	7,011.77	28.75	24.15	89.22	2,100.30	301.64	1,296.10	1,243.74	52.36	24.756	
8,400.00	7,021.26	7,012.41	7,008.64	29.18	24.14	89.07	2,100.29	301.59	1,331.18	1,278.60	52.59	25.314	
8,500.00	7,019.83	7,009.26	7,005.48	29.66	24.13	88.92	2,100.28	301.54	1,372.66	1,319.86	52.81	25.994	
8,600.00	7,018.41	7,006.08	7,002.31	30.17	24.11	88.78	2,100.27	301.48	1,419.98	1,366.97	53.01	26.785	
8,700.00	7,016.98	7,002.89	6,999.11	30.72	24.10	88.63	2,100.26	301.43	1,472.57	1,419.37	53.20	27.679	
8,800.00	7,015.55	6,999.67	6,995.90	31.30	24.09	88.48	2,100.25	301.38	1,529.89	1,476.52	53.37	28.666	
8,900.00	7,014.12	6,996.44	6,992.66	31.91	24.08	88.33	2,100.24	301.32	1,591.43	1,537.91	53.52	29.736	
9,000.00	7,012.70	6,993.18	6,989.41	32.55	24.07	88.18	2,100.23	301.27	1,656.72	1,603.07	53.65	30.880	
9,100.00	7,011.27	6,989.90	6,986.13	33.22	24.06	88.02	2,100.22	301.21	1,725.33	1,671.56	53.76	32.091	
9,200.00	7,009.84	6,986.60	6,982.83	33.91	24.05	87.87	2,100.21	301.15	1,796.88	1,743.02	53.86	33.360	
9,300.00	7,008.42	6,983.28	6,979.51	34.62	24.03	87.72	2,100.20	301.09	1,871.04	1,817.09	53.95	34.681	
9,400.00	7,006.99	6,979.94	6,976.17	35.36	24.02	87.56	2,100.18	301.04	1,947.50	1,893.48	54.02	36.049	
9,500.00	7,005.56	6,976.58	6,972.81	36.11	24.01	87.40	2,100.17	300.98	2,026.01	1,971.92	54.09	37.457	
9,600.00	7,004.13	6,973.19	6,969.42	36.89	24.00	87.25	2,100.16	300.92	2,106.34	2,052.19	54.15	38.901	
9,700.00	7,002.71	6,969.78	6,966.02	37.68	23.99	87.09	2,100.15	300.86	2,188.28	2,134.08	54.19	40.378	
9,800.00	7,001.28	6,966.35	6,962.59	38.49	23.98	86.93	2,100.14	300.79	2,271.66	2,217.43	54.24	41.884	
9,900.00	6,999.85	6,963.00	6,959.23	39.32	23.96	86.77	2,100.13	300.73	2,356.34	2,302.06	54.28	43.414	
10,000.00	6,998.43	6,959.69	6,955.93	40.16	23.95	86.62	2,100.12	300.67	2,442.17	2,387.86	54.31	44.968	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 376H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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	4.00	0.00	0.00	0.54	179.90	1.70	179.95				
100.00	100.00	94.88	98.88	0.25	0.12	0.50	180.12	1.58	180.13	179.75	0.38	480.121	
200.00	200.00	195.02	199.01	0.61	0.45	0.39	180.70	1.23	180.71	179.65	1.06	170.114	
300.00	300.00	295.78	299.77	0.97	0.81	0.18	180.98	0.58	180.98	179.20	1.78	101.859	
400.00	400.00	397.25	401.24	1.33	1.16	0.04	180.67	0.13	180.68	178.19	2.49	72.672	
500.00	500.00	498.03	502.01	1.68	1.51	-0.09	179.56	-0.28	179.57	176.38	3.19	56.227	
600.00	600.00	597.54	601.52	2.04	1.86	-0.34	178.52	-1.06	178.53	174.63	3.90	45.758	
700.00	699.98	696.95	700.92	2.40	2.21	-54.28	177.87	-1.76	176.86	172.25	4.61	38.362	
800.00	799.84	797.21	801.18	2.75	2.57	-55.98	177.27	-2.45	173.29	167.96	5.32	32.561	
900.00	899.45	898.56	902.52	3.11	2.93	-58.81	176.00	-3.03	167.36	161.33	6.04	27.719	
1,000.00	998.70	999.12	1,003.04	3.47	3.28	-62.83	173.64	-3.04	159.05	152.30	6.75	23.565	
1,100.00	1,097.47	1,096.59	1,100.48	3.83	3.63	-68.20	171.24	-2.63	149.98	142.53	7.45	20.128	
1,200.00	1,195.62	1,192.09	1,195.97	4.19	3.96	-74.93	170.34	-1.80	142.65	134.51	8.14	17.519	
1,300.00	1,293.06	1,286.88	1,290.75	4.56	4.28	-82.92	171.62	-0.71	138.97	130.14	8.83	15.742	
1,327.84	1,320.04	1,313.34	1,317.19	4.66	4.37	-85.33	172.40	-0.38	138.78	129.76	9.02	15.386	CC, ES
1,400.00	1,389.64	1,382.13	1,385.92	4.93	4.60	-91.77	175.17	0.66	140.08	130.56	9.52	14.716	
1,416.53	1,405.52	1,397.96	1,401.73	4.99	4.66	-93.28	175.96	0.94	140.75	131.12	9.63	14.611	
1,500.00	1,485.62	1,479.10	1,482.73	5.30	4.93	-100.67	180.39	2.71	145.79	135.57	10.22	14.267	
1,600.00	1,581.59	1,577.53	1,580.93	5.68	5.27	-108.47	186.39	5.79	154.47	143.55	10.93	14.139	
1,700.00	1,677.55	1,675.96	1,679.04	6.07	5.61	-115.00	192.99	9.96	165.06	153.43	11.63	14.194	
1,800.00	1,773.52	1,774.63	1,777.30	6.45	5.96	-120.36	200.41	15.00	177.02	164.69	12.33	14.356	
1,900.00	1,869.48	1,873.84	1,875.96	6.84	6.30	-124.65	208.98	21.02	189.78	176.74	13.04	14.558	
2,000.00	1,965.45	1,973.44	1,974.78	7.23	6.65	-127.87	219.21	28.11	202.83	189.08	13.74	14.757	
2,100.00	2,061.42	2,073.97	2,074.27	7.63	7.01	-130.26	231.01	36.41	215.64	201.18	14.46	14.914	
2,200.00	2,157.38	2,174.05	2,173.16	8.02	7.36	-132.17	243.41	45.53	228.03	212.86	15.17	15.028	
2,300.00	2,253.35	2,273.36	2,271.29	8.41	7.71	-133.92	255.47	54.80	240.40	224.51	15.89	15.132	
2,400.00	2,349.31	2,372.70	2,369.49	8.81	8.07	-135.58	267.14	64.19	252.79	236.19	16.60	15.228	
2,500.00	2,445.28	2,471.50	2,467.20	9.21	8.42	-137.14	278.46	73.54	265.34	248.03	17.31	15.326	
2,600.00	2,541.24	2,570.12	2,564.71	9.60	8.78	-138.51	289.99	82.77	278.19	260.17	18.03	15.434	
2,700.00	2,637.21	2,668.61	2,662.06	10.00	9.13	-139.71	301.77	91.90	291.28	272.54	18.74	15.545	
2,800.00	2,733.17	2,767.10	2,759.41	10.40	9.49	-140.75	313.85	100.84	304.70	285.25	19.45	15.664	
2,900.00	2,829.14	2,866.21	2,857.35	10.80	9.84	-141.69	326.05	109.79	318.24	298.07	20.17	15.778	
3,000.00	2,925.10	2,965.84	2,955.81	11.20	10.20	-142.58	338.25	118.91	331.74	310.85	20.89	15.881	
3,100.00	3,021.07	3,064.85	3,053.68	11.60	10.56	-143.46	350.01	128.15	345.15	323.54	21.61	15.975	
3,200.00	3,117.04	3,163.12	3,150.90	12.00	10.92	-144.34	361.18	137.21	358.75	336.43	22.32	16.073	
3,300.00	3,213.00	3,261.88	3,248.64	12.40	11.27	-145.21	372.09	146.19	372.57	349.54	23.03	16.175	
3,400.00	3,308.97	3,360.00	3,345.79	12.80	11.63	-146.08	382.51	155.15	386.47	362.73	23.75	16.276	
3,500.00	3,404.93	3,456.47	3,441.41	13.20	11.98	-146.95	392.20	163.48	400.98	376.53	24.45	16.401	
3,600.00	3,500.90	3,552.88	3,536.84	13.60	12.33	-147.53	403.49	171.18	416.07	390.92	25.15	16.541	
3,700.00	3,596.86	3,648.88	3,631.86	14.00	12.68	-147.98	415.31	178.18	431.82	405.97	25.86	16.700	
3,800.00	3,692.83	3,749.28	3,731.27	14.41	13.04	-148.43	427.51	185.20	447.92	421.33	26.59	16.848	
3,900.00	3,788.79	3,849.22	3,830.22	14.81	13.41	-148.92	439.18	192.90	463.39	436.08	27.31	16.968	
4,000.00	3,884.76	3,947.45	3,927.50	15.21	13.76	-149.38	450.63	200.43	478.93	450.90	28.03	17.089	
4,100.00	3,980.73	4,044.92	4,024.01	15.61	14.12	-149.79	462.04	207.74	494.65	465.92	28.74	17.213	
4,200.00	4,076.69	4,142.42	4,120.57	16.01	14.47	-150.16	473.56	214.78	510.67	481.22	29.45	17.341	
4,300.00	4,172.66	4,240.28	4,217.49	16.42	14.83	-150.50	485.24	221.64	526.88	496.72	30.16	17.468	
4,400.00	4,268.62	4,337.32	4,313.60	16.82	15.18	-150.79	496.98	228.22	543.32	512.44	30.87	17.598	
4,500.00	4,364.59	4,435.50	4,410.81	17.22	15.54	-151.04	509.13	234.64	559.96	528.37	31.59	17.725	
4,600.00	4,460.55	4,533.87	4,508.18	17.63	15.90	-151.25	521.56	240.99	576.66	544.35	32.31	17.847	
4,700.00	4,556.52	4,629.99	4,603.31	18.03	16.25	-151.41	533.92	247.05	593.48	560.46	33.02	17.974	
4,800.00	4,652.48	4,726.58	4,698.92	18.43	16.60	-151.56	546.43	252.77	610.66	576.93	33.73	18.105	
4,900.00	4,748.45	4,822.47	4,793.87	18.83	16.95	-151.70	558.72	258.01	628.31	593.87	34.43	18.247	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 376H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
5,000.00	4,844.42	4,917.85	4,888.37	19.24	17.29	-151.85	570.73	262.84	646.39	611.25	35.13	18.398	
5,100.00	4,940.38	5,005.99	4,975.73	19.64	17.61	-151.99	581.67	266.94	664.97	629.19	35.78	18.584	
5,200.00	5,036.35	5,100.99	5,070.21	20.05	17.96	-152.33	590.93	270.32	684.99	648.52	36.47	18.782	
5,300.00	5,132.31	5,187.99	5,156.96	20.45	18.27	-152.80	597.06	272.48	706.49	669.40	37.09	19.048	
5,400.00	5,228.28	5,284.81	5,253.54	20.85	18.61	-153.32	603.65	274.66	728.37	690.58	37.79	19.275	
5,500.00	5,324.24	5,373.65	5,342.23	21.26	18.93	-153.86	608.39	276.41	750.85	712.44	38.42	19.546	
5,600.00	5,420.21	5,468.66	5,437.17	21.66	19.26	-154.54	611.61	277.92	774.17	735.08	39.09	19.805	
5,677.40	5,494.48	5,542.59	5,511.06	21.97	19.53	-155.06	613.85	279.05	792.39	752.77	39.62	20.002	
5,700.00	5,516.20	5,564.17	5,532.63	22.06	19.60	-155.26	614.43	279.38	797.66	757.89	39.77	20.057	
5,800.00	5,612.84	5,658.91	5,627.33	22.46	19.94	-156.03	616.65	280.73	819.30	778.86	40.44	20.260	
5,900.00	5,710.32	5,756.60	5,725.00	22.85	20.28	-156.71	618.37	282.08	838.08	796.95	41.13	20.376	
6,000.00	5,808.52	5,853.84	5,822.23	23.22	20.62	-157.27	619.56	283.46	853.83	812.02	41.81	20.420	
6,100.00	5,907.32	5,948.99	5,917.35	23.59	20.96	-157.69	620.70	284.63	866.65	824.17	42.48	20.403	
6,200.00	6,006.59	6,043.99	6,012.34	23.94	21.29	-157.98	621.94	285.23	876.81	833.67	43.14	20.327	
6,300.00	6,106.22	6,137.99	6,106.34	24.29	21.62	-158.16	623.17	285.36	884.25	840.46	43.78	20.197	
6,400.00	6,206.09	6,231.99	6,200.33	24.62	21.95	-158.23	624.34	284.86	889.10	844.68	44.42	20.016	
6,493.92	6,300.00	6,319.10	6,287.43	24.92	22.25	-104.98	625.19	283.67	891.54	846.54	44.99	19.815	
6,500.00	6,306.08	6,325.99	6,294.31	24.94	22.27	-104.97	625.24	283.55	891.62	846.58	45.04	19.795	
6,600.00	6,406.08	6,422.77	6,391.07	25.26	22.60	-104.91	625.78	281.83	893.20	847.51	45.69	19.551	
6,700.00	6,506.08	6,523.50	6,491.80	25.58	22.94	-104.87	626.01	280.11	894.79	848.42	46.37	19.298	
6,750.51	6,556.58	6,569.61	6,537.90	25.74	23.09	-104.86	625.90	279.26	895.72	849.05	46.66	19.196	
6,775.00	6,581.07	6,591.97	6,560.25	25.82	23.17	-15.92	625.76	278.79	895.65	848.85	46.80	19.137	
6,800.00	6,605.99	6,615.48	6,583.75	25.89	23.25	-16.00	625.54	278.25	894.40	847.45	46.95	19.051	
6,825.00	6,630.77	6,640.97	6,609.24	25.96	23.33	-16.15	625.29	277.67	891.90	844.79	47.11	18.932	
6,850.00	6,655.36	6,666.28	6,634.54	26.03	23.42	-16.37	625.05	277.11	888.13	840.86	47.27	18.788	
6,875.00	6,679.67	6,691.34	6,659.59	26.10	23.50	-16.66	624.81	276.58	883.11	835.69	47.43	18.620	
6,900.00	6,703.65	6,716.15	6,684.39	26.16	23.58	-17.02	624.57	276.07	876.86	829.28	47.58	18.429	
6,925.00	6,727.22	6,740.64	6,708.88	26.22	23.66	-17.48	624.30	275.60	869.39	821.66	47.73	18.215	
6,950.00	6,750.32	6,764.65	6,732.88	26.28	23.74	-18.02	624.01	275.16	860.73	812.85	47.87	17.979	
6,975.00	6,772.90	6,788.10	6,756.33	26.34	23.82	-18.67	623.69	274.77	850.90	802.89	48.01	17.723	
7,000.00	6,794.88	6,808.61	6,776.83	26.39	23.89	-19.40	623.37	274.44	839.96	791.84	48.12	17.455	
7,025.00	6,816.20	6,826.84	6,795.06	26.44	23.95	-20.23	623.04	274.09	828.02	779.81	48.20	17.177	
7,050.00	6,836.82	6,844.56	6,812.76	26.49	24.01	-21.17	622.65	273.69	815.12	766.83	48.28	16.883	
7,075.00	6,856.67	6,861.72	6,829.91	26.53	24.07	-22.26	622.23	273.26	801.29	752.94	48.35	16.572	
7,100.00	6,875.69	6,878.27	6,846.46	26.58	24.12	-23.51	621.78	272.79	786.58	738.16	48.42	16.246	
7,125.00	6,893.84	6,894.88	6,863.05	26.62	24.18	-24.96	621.28	272.27	771.02	722.54	48.49	15.902	
7,150.00	6,911.07	6,918.74	6,886.89	26.66	24.25	-26.91	620.59	271.59	754.55	705.90	48.64	15.512	
7,175.00	6,927.32	6,941.00	6,909.14	26.69	24.33	-29.16	620.05	271.10	737.13	688.35	48.78	15.110	
7,200.00	6,942.56	6,961.63	6,929.75	26.73	24.40	-31.78	619.64	270.78	718.87	669.96	48.91	14.697	
7,225.00	6,956.74	6,980.56	6,948.69	26.76	24.46	-34.80	619.33	270.60	699.84	650.81	49.03	14.274	
7,250.00	6,969.83	6,997.78	6,965.91	26.79	24.52	-38.29	619.11	270.52	680.13	630.99	49.13	13.843	
7,275.00	6,981.78	7,009.66	6,977.78	26.81	24.56	-41.96	618.97	270.48	659.88	610.70	49.18	13.417	
7,300.00	6,992.56	7,021.70	6,989.82	26.84	24.60	-46.25	618.86	270.45	639.16	589.92	49.24	12.980	
7,325.00	7,002.15	7,032.34	7,000.46	26.86	24.63	-51.06	618.77	270.45	618.06	568.76	49.30	12.537	
7,350.00	7,010.52	7,041.57	7,009.70	26.88	24.67	-56.34	618.71	270.46	596.66	547.32	49.35	12.092	
7,375.00	7,017.65	7,049.38	7,017.50	26.90	24.69	-62.02	618.66	270.47	575.06	525.67	49.39	11.644	
7,400.00	7,023.51	7,055.75	7,023.87	26.92	24.71	-67.94	618.63	270.49	553.33	503.91	49.42	11.196	
7,425.00	7,028.09	7,060.68	7,028.81	26.93	24.73	-73.91	618.61	270.50	531.59	482.13	49.46	10.749	
7,450.00	7,031.38	7,064.17	7,032.30	26.94	24.74	-79.73	618.60	270.52	509.93	460.44	49.49	10.304	
7,475.00	7,033.37	7,066.23	7,034.35	26.95	24.75	-85.18	618.59	270.53	488.44	438.93	49.51	9.865	
7,500.00	7,034.05	7,066.85	7,034.97	26.96	24.75	-90.11	618.59	270.53	467.24	417.70	49.54	9.432	
7,507.32	7,034.00	7,066.76	7,034.88	26.96	24.75	-91.45	618.59	270.53	461.10	411.56	49.55	9.306	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 376H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
7,600.00	7,032.68	7,064.91	7,033.04	27.01	24.74	-91.03	618.59	270.52	386.97	337.25	49.72	7.783	
7,700.00	7,031.25	7,062.97	7,031.09	27.11	24.74	-90.59	618.60	270.51	318.08	267.93	50.15	6.343	
7,800.00	7,029.82	7,061.07	7,029.19	27.26	24.73	-90.16	618.61	270.51	269.43	218.47	50.96	5.287	
7,892.90	7,028.50	7,059.35	7,027.47	27.44	24.73	-89.77	618.61	270.50	252.90	201.05	51.85	4.878	
7,900.00	7,028.40	7,059.22	7,027.34	27.45	24.72	-89.74	618.61	270.50	253.00	201.10	51.90	4.875	SF
8,000.00	7,026.97	7,057.41	7,025.53	27.70	24.72	-89.33	618.62	270.49	274.62	222.34	52.28	5.253	
8,100.00	7,025.54	7,055.64	7,023.77	28.01	24.71	-88.93	618.63	270.49	326.82	274.76	52.07	6.277	
8,200.00	7,024.11	7,053.92	7,022.04	28.35	24.71	-88.54	618.64	270.48	397.75	346.06	51.70	7.694	
8,300.00	7,022.69	7,052.23	7,020.35	28.75	24.70	-88.16	618.65	270.48	479.16	427.79	51.37	9.328	
8,400.00	7,021.26	7,050.58	7,018.70	29.18	24.70	-87.78	618.66	270.47	566.55	515.44	51.11	11.085	
8,500.00	7,019.83	7,048.97	7,017.09	29.66	24.69	-87.42	618.66	270.47	657.54	606.62	50.92	12.914	
8,600.00	7,018.41	7,047.39	7,015.51	30.17	24.68	-87.06	618.67	270.47	750.82	700.05	50.77	14.789	
8,700.00	7,016.98	7,045.85	7,013.97	30.72	24.68	-86.71	618.68	270.46	845.63	794.98	50.66	16.693	
8,800.00	7,015.55	7,044.34	7,012.46	31.30	24.67	-86.37	618.69	270.46	941.52	890.95	50.57	18.619	
8,900.00	7,014.12	7,042.86	7,010.98	31.91	24.67	-86.04	618.70	270.46	1,038.18	987.68	50.50	20.559	
9,000.00	7,012.70	7,041.41	7,009.54	32.55	24.66	-85.71	618.71	270.46	1,135.41	1,084.97	50.44	22.509	
9,100.00	7,011.27	7,040.00	7,008.12	33.22	24.66	-85.39	618.72	270.46	1,233.09	1,182.69	50.40	24.468	
9,200.00	7,009.84	7,038.61	7,006.73	33.91	24.66	-85.08	618.73	270.45	1,331.11	1,280.75	50.36	26.432	
9,300.00	7,008.42	7,037.25	7,005.37	34.62	24.65	-84.77	618.74	270.45	1,429.40	1,379.07	50.33	28.400	
9,400.00	7,006.99	7,035.92	7,004.04	35.36	24.65	-84.47	618.74	270.45	1,527.92	1,477.61	50.31	30.371	
9,500.00	7,005.56	7,034.61	7,002.74	36.11	24.64	-84.18	618.75	270.45	1,626.61	1,576.32	50.29	32.345	
9,600.00	7,004.13	7,033.34	7,001.46	36.89	24.64	-83.89	618.76	270.45	1,725.45	1,675.18	50.28	34.320	
9,700.00	7,002.71	7,032.08	7,000.20	37.68	24.63	-83.61	618.77	270.45	1,824.42	1,774.16	50.27	36.296	
9,800.00	7,001.28	7,030.85	6,998.97	38.49	24.63	-83.34	618.78	270.45	1,923.50	1,873.24	50.26	38.272	
9,900.00	6,999.85	7,029.65	6,997.77	39.32	24.62	-83.07	618.79	270.45	2,022.66	1,972.41	50.25	40.249	
10,000.00	6,998.43	7,028.46	6,996.59	40.16	24.62	-82.80	618.80	270.45	2,121.90	2,071.65	50.25	42.225	
10,100.00	6,997.00	7,027.30	6,995.43	41.01	24.62	-82.54	618.81	270.45	2,221.21	2,170.96	50.25	44.200	
10,200.00	6,995.57	7,026.16	6,994.29	41.88	24.61	-82.29	618.82	270.45	2,320.58	2,270.32	50.26	46.174	
10,300.00	6,994.14	7,025.05	6,993.17	42.76	24.61	-82.04	618.83	270.45	2,420.00	2,369.73	50.26	48.148	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 377H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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	0.57	89.90	0.90	89.90				
100.00	100.00	99.96	99.96	0.25	0.13	0.61	89.92	0.95	89.92	89.55	0.38	238.227	
200.00	200.00	199.86	199.86	0.61	0.46	0.98	90.34	1.54	90.35	89.28	1.07	84.309	
300.00	300.00	299.49	299.48	0.97	0.81	1.19	90.80	1.88	90.82	89.04	1.78	51.047	
400.00	400.00	399.20	399.18	1.33	1.16	1.06	91.72	1.70	91.74	89.25	2.49	36.857	
500.00	500.00	498.72	498.70	1.68	1.52	1.01	92.95	1.65	92.98	89.77	3.20	29.037	
600.00	600.00	598.63	598.60	2.04	1.87	1.33	94.41	2.19	94.44	90.53	3.92	24.108	
700.00	699.98	698.59	698.55	2.40	2.23	-52.74	95.87	2.19	94.84	90.21	4.63	20.486	
800.00	799.84	798.57	798.51	2.75	2.59	-55.75	97.45	1.50	93.38	88.04	5.34	17.490	
900.00	899.45	898.92	898.86	3.11	2.94	-61.03	98.37	0.53	89.79	83.74	6.05	14.845	
1,000.00	998.70	998.24	998.17	3.47	3.29	-68.90	98.70	-0.46	85.12	78.36	6.75	12.604	
1,100.00	1,097.47	1,096.78	1,096.70	3.83	3.63	-79.67	99.21	-1.42	81.66	74.20	7.46	10.950	
1,155.90	1,152.41	1,151.67	1,151.59	4.03	3.83	-86.98	99.49	-2.00	81.00	73.15	7.85	10.315	CC, ES
1,200.00	1,195.62	1,194.80	1,194.72	4.19	3.98	-93.24	99.70	-2.48	81.50	73.34	8.16	9.984	
1,300.00	1,293.06	1,292.08	1,291.99	4.56	4.33	-108.09	100.18	-3.61	87.04	78.18	8.86	9.819	SF
1,400.00	1,389.64	1,388.49	1,388.39	4.93	4.67	-121.97	100.63	-4.73	99.68	90.12	9.56	10.427	
1,416.53	1,405.52	1,404.34	1,404.24	4.99	4.72	-124.03	100.73	-4.91	102.47	92.79	9.68	10.591	
1,500.00	1,485.62	1,484.97	1,484.86	5.30	5.01	-133.32	101.06	-5.65	118.38	108.14	10.25	11.554	
1,600.00	1,581.59	1,582.00	1,581.88	5.68	5.34	-142.17	99.94	-5.93	139.83	128.91	10.92	12.805	
1,700.00	1,677.55	1,679.41	1,679.24	6.07	5.66	-149.34	96.92	-5.13	162.79	151.21	11.59	14.048	
1,800.00	1,773.52	1,776.93	1,776.66	6.45	5.99	-155.04	93.08	-3.08	186.54	174.28	12.26	15.216	
1,900.00	1,869.48	1,872.71	1,872.32	6.84	6.32	-159.53	88.93	-0.35	211.04	198.12	12.93	16.327	
2,000.00	1,965.45	1,967.93	1,967.35	7.23	6.64	-163.32	83.73	2.50	236.78	223.19	13.59	17.421	
2,100.00	2,061.42	2,061.34	2,060.44	7.63	6.96	-166.74	76.77	5.69	263.72	249.47	14.25	18.509	
2,200.00	2,157.38	2,153.95	2,152.51	8.02	7.28	-170.01	67.38	9.15	292.30	277.40	14.90	19.618	
2,300.00	2,253.35	2,246.73	2,244.42	8.41	7.60	-173.18	55.46	13.35	322.29	306.73	15.55	20.722	
2,400.00	2,349.31	2,339.83	2,336.19	8.81	7.92	-176.34	40.82	18.91	353.41	337.20	16.21	21.801	
2,500.00	2,445.28	2,432.45	2,426.97	9.21	8.25	-179.44	23.87	26.03	385.54	368.67	16.87	22.857	
2,600.00	2,541.24	2,524.17	2,516.52	9.60	8.57	177.71	5.75	33.97	418.72	401.20	17.52	23.899	
2,700.00	2,637.21	2,615.58	2,605.70	10.00	8.90	175.23	-12.69	41.98	452.92	434.74	18.17	24.920	
2,800.00	2,733.17	2,706.92	2,694.80	10.40	9.23	173.11	-31.16	49.80	487.95	469.11	18.83	25.909	
2,900.00	2,829.14	2,798.09	2,783.76	10.80	9.56	171.27	-49.64	57.43	523.68	504.18	19.49	26.864	
3,000.00	2,925.10	2,892.05	2,875.56	11.20	9.91	169.68	-68.18	64.91	559.73	539.55	20.18	27.734	
3,100.00	3,021.07	2,982.98	2,964.49	11.60	10.24	168.37	-85.88	71.85	596.11	575.26	20.85	28.595	
3,200.00	3,117.04	3,073.50	3,052.99	12.00	10.58	167.22	-103.61	78.60	632.94	611.43	21.51	29.425	
3,300.00	3,213.00	3,164.07	3,141.57	12.40	10.91	166.21	-121.37	84.95	670.26	648.08	22.18	30.225	
3,400.00	3,308.97	3,255.48	3,230.98	12.80	11.25	165.31	-139.37	91.25	707.87	685.02	22.85	30.978	
3,500.00	3,404.93	3,347.51	3,321.00	13.20	11.60	164.50	-157.47	97.43	745.70	722.17	23.53	31.687	
3,600.00	3,500.90	3,439.50	3,411.03	13.60	11.94	163.79	-175.39	103.44	783.61	759.39	24.22	32.358	
3,700.00	3,596.86	3,540.89	3,510.25	14.00	12.32	163.07	-195.05	110.25	821.49	796.51	24.98	32.881	
3,800.00	3,692.83	3,657.55	3,624.82	14.41	12.76	162.36	-215.02	119.46	857.01	831.13	25.87	33.124	
3,900.00	3,788.79	3,750.53	3,716.32	14.81	13.11	161.88	-229.59	127.26	891.26	864.70	26.57	33.549	
4,000.00	3,884.76	3,832.85	3,797.34	15.21	13.42	161.51	-242.79	133.34	926.40	899.23	27.17	34.090	
4,100.00	3,980.73	3,920.65	3,883.76	15.61	13.75	161.19	-257.35	138.65	962.70	934.87	27.83	34.596	
4,200.00	4,076.69	4,019.17	3,980.86	16.01	14.12	160.90	-273.08	144.26	998.75	970.18	28.57	34.963	
4,300.00	4,172.66	4,112.41	4,072.81	16.42	14.47	160.65	-287.61	149.56	1,034.52	1,005.26	29.26	35.353	
4,400.00	4,268.62	4,205.58	4,164.42	16.82	14.82	160.33	-303.23	156.15	1,070.49	1,040.53	29.96	35.729	
4,500.00	4,364.59	4,304.50	4,261.70	17.22	15.19	160.00	-319.59	163.45	1,106.17	1,075.46	30.71	36.024	
4,600.00	4,460.55	4,405.55	4,361.20	17.63	15.57	159.70	-335.58	170.87	1,141.33	1,109.86	31.47	36.271	
4,700.00	4,556.52	4,492.22	4,446.56	18.03	15.90	159.47	-349.06	177.46	1,176.19	1,144.07	32.12	36.623	
4,800.00	4,652.48	4,572.99	4,525.78	18.43	16.21	159.18	-363.29	184.25	1,212.23	1,179.51	32.72	37.048	
4,900.00	4,748.45	4,663.88	4,614.78	18.83	16.56	158.85	-379.94	192.19	1,248.72	1,215.31	33.41	37.380	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 377H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
5,000.00	4,844.42	4,755.71	4,704.65	19.24	16.91	158.52	-396.99	200.29	1,285.40	1,251.30	34.10	37.695	
5,100.00	4,940.38	4,854.61	4,801.49	19.64	17.29	158.19	-415.10	208.92	1,321.96	1,287.11	34.85	37.931	
5,200.00	5,036.35	4,963.24	4,908.11	20.05	17.70	157.90	-433.77	218.12	1,357.80	1,322.12	35.68	38.058	
5,300.00	5,132.31	5,059.58	5,002.96	20.45	18.07	157.71	-448.86	225.71	1,392.70	1,356.29	36.40	38.257	
5,400.00	5,228.28	5,150.60	5,092.72	20.85	18.41	157.60	-462.75	231.56	1,428.01	1,390.92	37.09	38.502	
5,500.00	5,324.24	5,243.74	5,184.64	21.26	18.77	157.51	-476.57	237.27	1,463.12	1,425.33	37.79	38.718	
5,600.00	5,420.21	5,340.88	5,280.45	21.66	19.13	157.40	-491.42	243.40	1,498.53	1,460.01	38.52	38.902	
5,677.40	5,494.48	5,419.46	5,358.08	21.97	19.43	157.34	-502.64	248.24	1,525.35	1,486.24	39.11	39.000	
5,700.00	5,516.20	5,438.12	5,376.50	22.06	19.50	157.38	-505.36	249.43	1,533.13	1,493.88	39.25	39.058	
5,800.00	5,612.84	5,529.14	5,466.26	22.46	19.84	157.51	-519.14	255.56	1,566.01	1,526.07	39.93	39.214	
5,900.00	5,710.32	5,642.36	5,578.01	22.85	20.27	157.54	-535.63	263.12	1,595.42	1,554.65	40.78	39.127	
6,000.00	5,808.52	5,730.00	5,664.66	23.22	20.60	157.57	-547.54	268.79	1,621.04	1,579.62	41.43	39.132	
6,100.00	5,907.32	5,831.48	5,764.87	23.59	20.98	157.49	-562.19	275.18	1,644.34	1,602.17	42.17	38.992	
6,200.00	6,006.59	5,943.97	5,876.26	23.94	21.40	157.38	-576.58	281.43	1,663.48	1,620.49	42.99	38.696	
6,300.00	6,106.22	6,019.95	5,951.55	24.29	21.69	157.31	-586.17	285.11	1,679.71	1,636.17	43.54	38.579	
6,400.00	6,206.09	6,128.47	6,058.99	24.62	22.09	157.10	-600.63	289.78	1,693.68	1,649.37	44.32	38.216	
6,493.92	6,300.00	6,216.59	6,146.36	24.92	22.42	-149.87	-611.53	293.31	1,703.28	1,658.34	44.94	37.899	
6,500.00	6,306.08	6,221.95	6,151.67	24.94	22.44	-149.89	-612.22	293.54	1,703.83	1,658.85	44.98	37.879	
6,600.00	6,406.08	6,310.22	6,239.08	25.26	22.77	-150.20	-623.93	297.32	1,713.24	1,667.64	45.60	37.569	
6,700.00	6,506.08	6,414.09	6,341.93	25.58	23.16	-150.55	-637.87	301.47	1,722.99	1,676.65	46.34	37.183	
6,750.51	6,556.58	6,461.56	6,388.95	25.74	23.34	-150.70	-644.10	303.31	1,727.82	1,681.15	46.67	37.020	
6,775.00	6,581.07	6,483.50	6,410.66	25.82	23.42	-61.62	-647.07	304.26	1,729.92	1,683.09	46.82	36.945	
6,800.00	6,605.99	6,505.73	6,432.66	25.89	23.51	-61.58	-650.16	305.29	1,731.48	1,684.51	46.97	36.861	
6,825.00	6,630.77	6,530.38	6,457.03	25.96	23.60	-61.66	-653.65	306.50	1,732.47	1,685.33	47.14	36.752	
6,850.00	6,655.36	6,559.55	6,485.89	26.03	23.71	-61.88	-657.69	307.89	1,732.81	1,685.47	47.34	36.605	
6,875.00	6,679.67	6,588.39	6,514.44	26.10	23.82	-62.21	-661.56	309.21	1,732.49	1,684.96	47.53	36.447	
6,900.00	6,703.65	6,616.83	6,542.61	26.16	23.92	-62.64	-665.25	310.45	1,731.53	1,683.81	47.73	36.280	
6,925.00	6,727.22	6,643.75	6,569.29	26.22	24.02	-63.15	-668.63	311.56	1,729.97	1,682.06	47.91	36.110	
6,950.00	6,750.32	6,670.23	6,595.55	26.28	24.12	-63.76	-671.85	312.57	1,727.81	1,679.73	48.09	35.932	
6,975.00	6,772.90	6,696.13	6,621.26	26.34	24.22	-64.45	-674.90	313.49	1,725.11	1,676.85	48.26	35.747	
7,000.00	6,794.88	6,708.99	6,634.02	26.39	24.26	-65.02	-676.37	313.92	1,721.91	1,673.57	48.34	35.620	
7,025.00	6,816.20	6,733.97	6,658.82	26.44	24.36	-65.87	-679.27	314.76	1,718.26	1,669.75	48.51	35.421	
7,050.00	6,836.82	6,749.92	6,674.64	26.49	24.42	-66.63	-681.18	315.30	1,714.27	1,665.65	48.62	35.262	
7,075.00	6,856.67	6,765.20	6,689.80	26.53	24.47	-67.45	-683.05	315.84	1,709.94	1,661.22	48.72	35.100	
7,100.00	6,875.69	6,779.76	6,704.24	26.58	24.53	-68.30	-684.88	316.35	1,705.30	1,656.49	48.81	34.934	
7,125.00	6,893.84	6,793.58	6,717.94	26.62	24.58	-69.20	-686.64	316.85	1,700.40	1,651.49	48.91	34.767	
7,150.00	6,911.07	6,807.34	6,731.57	26.66	24.63	-70.14	-688.44	317.36	1,695.26	1,646.26	49.01	34.593	
7,175.00	6,927.32	6,822.95	6,747.04	26.69	24.69	-71.18	-690.48	317.94	1,689.90	1,640.79	49.12	34.405	
7,200.00	6,942.56	6,837.49	6,761.43	26.73	24.74	-72.24	-692.38	318.49	1,684.35	1,635.12	49.23	34.217	
7,225.00	6,956.74	6,850.90	6,774.73	26.76	24.79	-73.31	-694.14	319.00	1,678.65	1,629.32	49.33	34.031	
7,250.00	6,969.83	6,863.17	6,786.88	26.79	24.84	-74.37	-695.75	319.47	1,672.83	1,623.41	49.42	33.846	
7,275.00	6,981.78	6,874.26	6,797.86	26.81	24.88	-75.42	-697.20	319.90	1,666.95	1,617.43	49.52	33.664	
7,300.00	6,992.56	6,884.13	6,807.64	26.84	24.92	-76.45	-698.50	320.29	1,661.03	1,611.43	49.60	33.486	
7,325.00	7,002.15	6,892.77	6,816.20	26.86	24.95	-77.45	-699.63	320.63	1,655.12	1,605.44	49.68	33.313	
7,350.00	7,010.52	6,901.06	6,824.41	26.88	24.98	-78.44	-700.72	320.96	1,649.25	1,599.49	49.77	33.140	
7,375.00	7,017.65	6,909.65	6,832.92	26.90	25.01	-79.44	-701.84	321.31	1,643.45	1,593.60	49.85	32.966	
7,400.00	7,023.51	6,916.34	6,839.55	26.92	25.04	-80.37	-702.70	321.60	1,637.75	1,587.82	49.93	32.800	
7,425.00	7,028.09	6,921.16	6,844.32	26.93	25.06	-81.21	-703.32	321.81	1,632.19	1,582.19	50.00	32.646	
7,450.00	7,031.38	6,924.12	6,847.26	26.94	25.07	-81.98	-703.70	321.94	1,626.78	1,576.73	50.05	32.501	
7,475.00	7,033.37	6,925.24	6,848.37	26.95	25.07	-82.65	-703.84	321.99	1,621.57	1,571.47	50.10	32.368	
7,500.00	7,034.05	6,924.56	6,847.69	26.96	25.07	-83.24	-703.75	321.96	1,616.55	1,566.42	50.13	32.246	
7,507.32	7,034.00	6,924.02	6,847.15	26.96	25.07	-83.39	-703.69	321.93	1,615.13	1,564.99	50.14	32.213	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 377H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 25-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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
7,600.00	7,032.68	6,916.41	6,839.62	27.01	25.04	-83.12	-702.71	321.60	1,599.76	1,549.49	50.26	31.827	
7,700.00	7,031.25	6,908.56	6,831.85	27.11	25.01	-82.83	-701.70	321.27	1,589.05	1,538.61	50.44	31.503	
7,800.00	7,029.82	6,901.06	6,824.41	27.26	24.98	-82.56	-700.72	320.96	1,584.57	1,533.91	50.66	31.279	
7,821.44	7,029.52	6,899.50	6,822.86	27.30	24.97	-82.50	-700.51	320.90	1,584.42	1,533.71	50.71	31.242	
7,900.00	7,028.40	6,894.76	6,818.17	27.45	24.96	-82.33	-699.89	320.71	1,586.36	1,535.45	50.92	31.155	
8,000.00	7,026.97	6,889.18	6,812.64	27.70	24.94	-82.13	-699.16	320.49	1,594.42	1,543.22	51.21	31.137	
8,100.00	7,025.54	6,883.64	6,807.16	28.01	24.92	-81.93	-698.44	320.27	1,608.65	1,557.14	51.51	31.230	
8,200.00	7,024.11	6,878.14	6,801.70	28.35	24.89	-81.73	-697.71	320.05	1,628.88	1,577.06	51.82	31.432	
8,300.00	7,022.69	6,872.67	6,796.28	28.75	24.87	-81.54	-697.00	319.84	1,654.90	1,602.77	52.13	31.744	
8,400.00	7,021.26	6,867.23	6,790.90	29.18	24.85	-81.34	-696.28	319.63	1,686.44	1,634.00	52.44	32.161	
8,500.00	7,019.83	6,861.82	6,785.54	29.66	24.83	-81.14	-695.57	319.42	1,723.19	1,670.47	52.73	32.681	
8,600.00	7,018.41	6,856.45	6,780.22	30.17	24.81	-80.95	-694.87	319.21	1,764.84	1,711.84	53.00	33.297	
8,700.00	7,016.98	6,851.11	6,774.93	30.72	24.79	-80.76	-694.17	319.01	1,811.04	1,757.78	53.26	34.005	
8,800.00	7,015.55	6,845.80	6,769.67	31.30	24.77	-80.57	-693.47	318.80	1,861.45	1,807.96	53.49	34.799	
8,900.00	7,014.12	6,840.53	6,764.45	31.91	24.75	-80.38	-692.78	318.60	1,915.75	1,862.05	53.70	35.672	
9,000.00	7,012.70	6,835.28	6,759.25	32.55	24.73	-80.19	-692.10	318.40	1,973.61	1,919.71	53.90	36.619	
9,100.00	7,011.27	6,830.07	6,754.09	33.22	24.72	-80.00	-691.41	318.21	2,034.72	1,980.66	54.07	37.633	
9,200.00	7,009.84	6,824.89	6,748.95	33.91	24.70	-79.81	-690.73	318.01	2,098.81	2,044.59	54.22	38.709	
9,300.00	7,008.42	6,819.73	6,743.85	34.62	24.68	-79.63	-690.06	317.82	2,165.61	2,111.26	54.36	39.842	
9,400.00	7,006.99	6,814.61	6,738.78	35.36	24.66	-79.44	-689.39	317.63	2,234.88	2,180.41	54.47	41.027	
9,500.00	7,005.56	6,809.52	6,733.73	36.11	24.64	-79.26	-688.72	317.44	2,306.39	2,251.81	54.58	42.258	
9,600.00	7,004.13	6,803.99	6,728.25	36.89	24.62	-79.06	-688.00	317.23	2,379.94	2,325.28	54.67	43.535	
9,700.00	7,002.71	6,803.99	6,728.25	37.68	24.62	-79.06	-688.00	317.23	2,455.36	2,400.59	54.77	44.830	

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - Palmillo 29-30 378H - OH - OH — **Offset Site Error:** 0.00 usft

Survey Program: 26-SuperiorQC MWD+IFR1+SAG+FDIR — **Rule Assigned:** — **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	15.70	0.00	0.00	177.80	-2,088.50	80.20	2,090.10				
100.00	100.00	80.30	96.00	0.25	0.19	177.80	-2,088.55	80.31	2,090.09	2,089.65	0.44	4,701.087	
171.03	171.03	155.33	171.03	0.51	0.46	177.79	-2,088.49	80.48	2,090.04	2,089.08	0.96	2,172.125	CC
200.00	200.00	177.22	192.91	0.61	0.53	177.79	-2,088.55	80.58	2,090.12	2,088.98	1.14	1,828.537	
300.00	300.00	283.90	299.59	0.97	0.91	177.79	-2,088.71	80.74	2,090.27	2,088.40	1.87	1,115.705	
400.00	400.00	371.93	387.62	1.33	1.21	177.79	-2,089.07	80.49	2,090.66	2,088.12	2.54	824.267	
500.00	500.00	469.37	485.06	1.68	1.55	177.82	-2,089.83	79.55	2,091.40	2,088.17	3.23	646.526	
600.00	600.00	571.69	587.38	2.04	1.91	177.82	-2,090.52	79.41	2,092.07	2,088.11	3.96	528.871	ES
700.00	699.98	672.92	688.60	2.40	2.27	124.61	-2,091.08	79.45	2,093.61	2,088.94	4.67	448.214	
800.00	799.84	771.52	787.20	2.75	2.62	124.67	-2,091.64	79.40	2,097.15	2,091.78	5.38	390.027	
900.00	899.45	868.16	883.83	3.11	2.97	124.77	-2,092.28	79.38	2,102.79	2,096.72	6.08	345.950	
1,000.00	998.70	976.58	992.24	3.47	3.35	124.91	-2,092.94	80.63	2,110.44	2,103.62	6.82	309.482	
1,100.00	1,097.47	1,088.40	1,103.94	3.83	3.74	125.00	-2,092.77	85.93	2,119.45	2,111.89	7.57	280.073	
1,200.00	1,195.62	1,190.36	1,205.75	4.19	4.10	125.11	-2,092.24	91.41	2,130.14	2,121.86	8.28	257.129	
1,300.00	1,293.06	1,267.71	1,282.96	4.56	4.37	125.16	-2,092.16	96.08	2,143.31	2,134.39	8.92	240.278	
1,400.00	1,389.64	1,365.83	1,380.79	4.93	4.72	125.26	-2,092.63	103.53	2,159.14	2,149.50	9.63	224.145	
1,416.53	1,405.52	1,383.55	1,398.45	4.99	4.78	125.28	-2,092.69	105.04	2,161.93	2,152.17	9.76	221.564	
1,500.00	1,485.62	1,485.63	1,500.01	5.30	5.14	125.64	-2,092.49	115.24	2,175.78	2,165.35	10.43	208.700	
1,600.00	1,581.59	1,585.68	1,599.41	5.68	5.49	125.95	-2,091.76	126.54	2,191.92	2,180.77	11.15	196.573	
1,700.00	1,677.55	1,677.89	1,690.90	6.07	5.82	126.20	-2,091.20	138.05	2,208.23	2,196.37	11.85	186.325	
1,800.00	1,773.52	1,777.73	1,789.87	6.45	6.18	126.45	-2,090.70	151.26	2,224.67	2,212.09	12.58	176.791	
1,900.00	1,869.48	1,882.82	1,894.00	6.84	6.55	126.70	-2,089.95	165.37	2,240.95	2,227.61	13.34	168.009	
2,000.00	1,965.45	1,984.80	1,995.01	7.23	6.92	126.94	-2,088.93	179.41	2,256.97	2,242.89	14.08	160.250	
2,100.00	2,061.42	2,083.35	2,092.56	7.63	7.28	127.15	-2,087.97	193.34	2,273.04	2,258.22	14.82	153.382	
2,200.00	2,157.38	2,186.12	2,194.25	8.02	7.65	127.36	-2,086.82	208.18	2,288.99	2,273.42	15.57	146.985	
2,300.00	2,253.35	2,274.69	2,281.84	8.41	7.97	127.54	-2,085.80	221.23	2,304.96	2,288.68	16.27	141.636	
2,400.00	2,349.31	2,352.83	2,359.19	8.81	8.26	127.70	-2,085.55	232.37	2,321.75	2,304.82	16.93	137.105	
2,500.00	2,445.28	2,438.06	2,443.70	9.21	8.57	127.90	-2,085.87	243.36	2,339.30	2,321.68	17.62	132.755	
2,600.00	2,541.24	2,547.54	2,552.54	9.60	8.96	128.21	-2,086.24	255.12	2,356.97	2,338.57	18.40	128.075	
2,700.00	2,637.21	2,653.08	2,657.71	10.00	9.35	128.57	-2,085.67	263.88	2,373.92	2,354.76	19.17	123.853	
2,800.00	2,733.17	2,730.77	2,735.24	10.40	9.63	128.87	-2,085.54	268.85	2,391.44	2,371.63	19.82	120.664	
2,900.00	2,829.14	2,804.30	2,808.71	10.80	9.89	129.19	-2,086.01	271.91	2,409.98	2,389.53	20.45	117.846	
3,000.00	2,925.10	2,916.23	2,920.62	11.20	10.28	129.74	-2,086.63	273.47	2,428.73	2,407.51	21.23	114.402	
3,100.00	3,021.07	3,010.57	3,014.96	11.60	10.60	130.23	-2,086.82	273.27	2,447.45	2,425.53	21.93	111.622	
3,200.00	3,117.04	3,104.34	3,108.72	12.00	10.91	130.72	-2,087.04	272.67	2,466.43	2,443.81	22.61	109.074	
3,300.00	3,213.00	3,196.93	3,201.31	12.40	11.22	131.20	-2,087.34	271.84	2,485.70	2,462.41	23.29	106.709	SF

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Offset Design: Camacho 25 26 Offsets - STATE E-4202 1 - OH - OH

Offset Site Error: 0.00 usft

Survey Program: 500-UNKNOWN

Offset Well Error: 0.00 usft

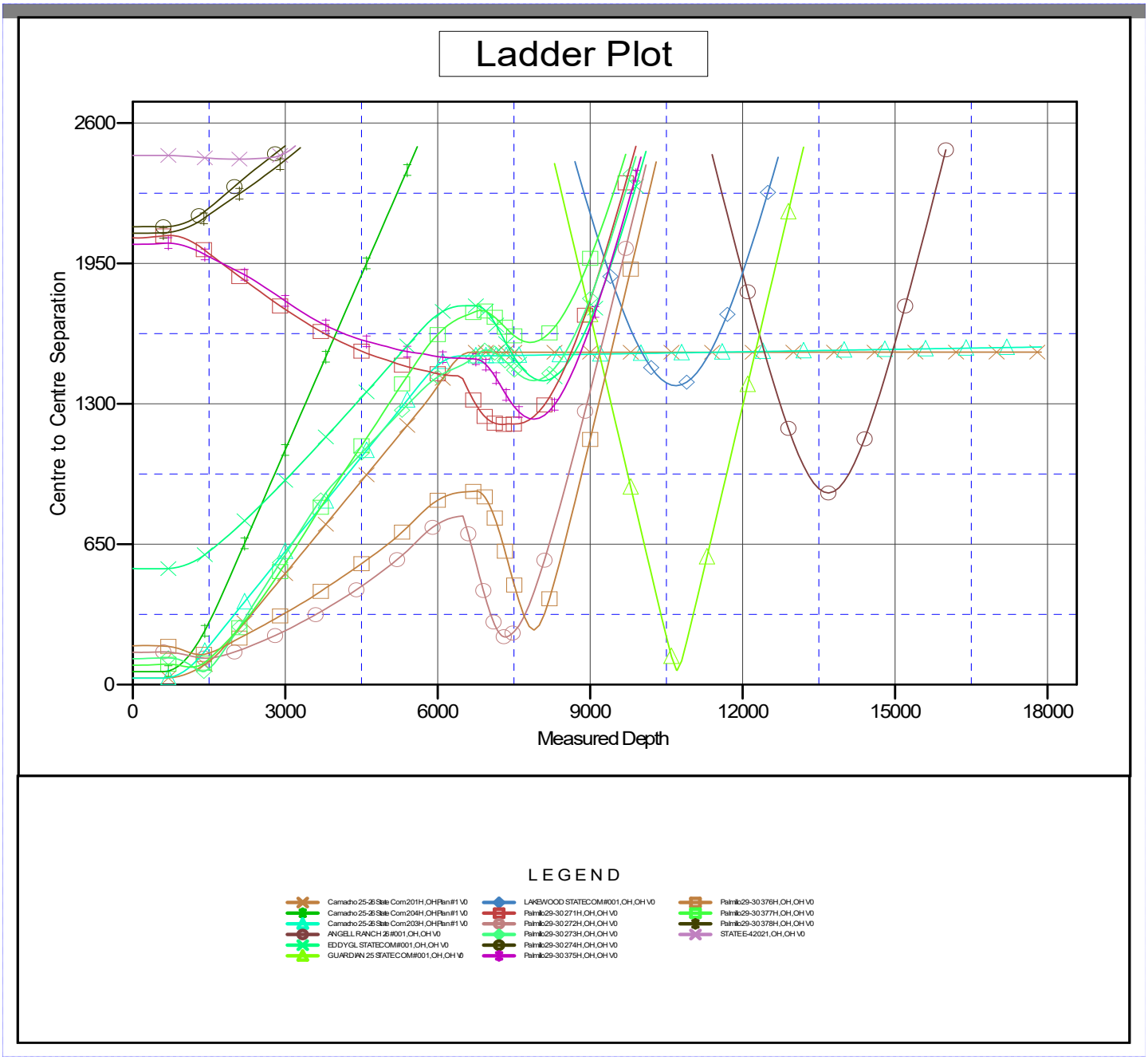
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	20.00	0.00	0.00	-29.97	2,122.72	-1,223.87	2,450.35				
100.00	100.00	80.00	100.00	0.25	4.00	-29.97	2,122.72	-1,223.87	2,450.26	2,446.01	4.25	575.993	
200.00	200.00	180.00	200.00	0.61	9.01	-29.97	2,122.72	-1,223.87	2,450.26	2,440.65	9.62	254.811	
300.00	300.00	280.00	300.00	0.97	14.01	-29.97	2,122.72	-1,223.87	2,450.26	2,435.29	14.98	163.590	
400.00	400.00	380.00	400.00	1.33	19.01	-29.97	2,122.72	-1,223.87	2,450.26	2,429.92	20.34	120.465	
500.00	500.00	480.00	500.00	1.68	24.02	-29.97	2,122.72	-1,223.87	2,450.26	2,424.56	25.70	95.333	
600.00	600.00	580.00	600.00	2.04	28.26	-29.97	2,122.72	-1,223.87	2,450.26	2,419.96	30.31	80.851	
700.00	699.98	679.98	699.98	2.40	32.32	-83.24	2,122.72	-1,223.87	2,450.06	2,415.34	34.72	70.574	
800.00	799.84	779.84	799.84	2.75	36.37	-83.37	2,122.72	-1,223.87	2,449.45	2,410.33	39.12	62.615	
900.00	899.45	879.45	899.45	3.11	40.41	-83.59	2,122.72	-1,223.87	2,448.45	2,404.94	43.51	56.268	
1,000.00	998.70	978.70	998.70	3.47	44.43	-83.90	2,122.72	-1,223.87	2,447.12	2,399.22	47.90	51.092	
1,100.00	1,097.47	1,077.47	1,097.47	3.83	48.41	-84.29	2,122.72	-1,223.87	2,445.49	2,393.25	52.23	46.817	
1,200.00	1,195.62	1,175.62	1,195.62	4.19	52.36	-84.77	2,122.72	-1,223.87	2,443.63	2,387.09	56.54	43.216	
1,300.00	1,293.06	1,273.06	1,293.06	4.56	56.28	-85.32	2,122.72	-1,223.87	2,441.64	2,380.81	60.83	40.139	
1,400.00	1,389.64	1,369.64	1,389.64	4.93	60.16	-85.94	2,122.72	-1,223.87	2,439.60	2,374.51	65.09	37.483	
1,416.53	1,405.52	1,385.52	1,405.52	4.99	60.80	-86.05	2,122.72	-1,223.87	2,439.26	2,373.48	65.79	37.079	
1,500.00	1,485.62	1,465.62	1,485.62	5.30	64.02	-86.58	2,122.72	-1,223.87	2,437.69	2,368.37	69.32	35.165	
1,600.00	1,581.59	1,561.59	1,581.59	5.68	67.87	-87.22	2,122.72	-1,223.87	2,436.11	2,362.55	73.56	33.119	
1,700.00	1,677.55	1,657.55	1,677.55	6.07	71.72	-87.85	2,122.72	-1,223.87	2,434.85	2,357.06	77.79	31.301	
1,800.00	1,773.52	1,753.52	1,773.52	6.45	75.57	-88.49	2,122.72	-1,223.87	2,433.91	2,351.89	82.02	29.673	
1,900.00	1,869.48	1,849.48	1,869.48	6.84	79.42	-89.12	2,122.72	-1,223.87	2,433.30	2,347.04	86.26	28.208	
2,000.00	1,965.45	1,945.45	1,965.45	7.23	83.27	-89.76	2,122.72	-1,223.87	2,433.01	2,342.51	90.50	26.884	
2,038.40	2,002.30	1,982.30	2,002.30	7.38	84.75	-90.00	2,122.72	-1,223.87	2,432.99	2,340.86	92.13	26.408 CC	
2,100.00	2,061.42	2,041.42	2,061.42	7.63	87.22	-90.39	2,122.72	-1,223.87	2,433.05	2,338.21	94.84	25.653	
2,200.00	2,157.38	2,137.38	2,157.38	8.02	91.31	-91.03	2,122.72	-1,223.87	2,433.41	2,334.09	99.32	24.501	
2,300.00	2,253.35	2,233.35	2,253.35	8.41	95.39	-91.66	2,122.72	-1,223.87	2,434.10	2,330.30	103.80	23.451	
2,400.00	2,349.31	2,329.31	2,349.31	8.81	99.47	-92.30	2,122.72	-1,223.87	2,435.11	2,326.84	108.27	22.490	
2,500.00	2,445.28	2,425.28	2,445.28	9.21	103.56	-92.93	2,122.72	-1,223.87	2,436.45	2,323.70	112.75	21.609	
2,600.00	2,541.24	2,521.24	2,541.24	9.60	107.64	-93.56	2,122.72	-1,223.87	2,438.11	2,320.88	117.23	20.798	
2,700.00	2,637.21	2,617.21	2,637.21	10.00	111.73	-94.20	2,122.72	-1,223.87	2,440.09	2,318.38	121.71	20.049 ES	
2,800.00	2,733.17	2,654.00	2,674.00	10.40	113.29	-94.44	2,122.72	-1,223.87	2,443.11	2,319.48	123.63	19.762 SF	
2,900.00	2,829.14	2,654.00	2,674.00	10.80	113.29	-94.44	2,122.72	-1,223.87	2,449.94	2,326.13	123.81	19.788	
3,000.00	2,925.10	2,654.00	2,674.00	11.20	113.29	-94.44	2,122.72	-1,223.87	2,460.81	2,337.01	123.81	19.876	
3,100.00	3,021.07	2,654.00	2,674.00	11.60	113.29	-94.44	2,122.72	-1,223.87	2,475.68	2,352.06	123.62	20.027	
3,200.00	3,117.04	2,654.00	2,674.00	12.00	113.29	-94.44	2,122.72	-1,223.87	2,494.47	2,371.21	123.26	20.238	

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

Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to RKB=30ft @ 3500.00usft	Coordinates are relative to: Camacho 25-26 State Com 202H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Central Meridian is -104.333334	Grid Convergence at Surface is: 0.06°

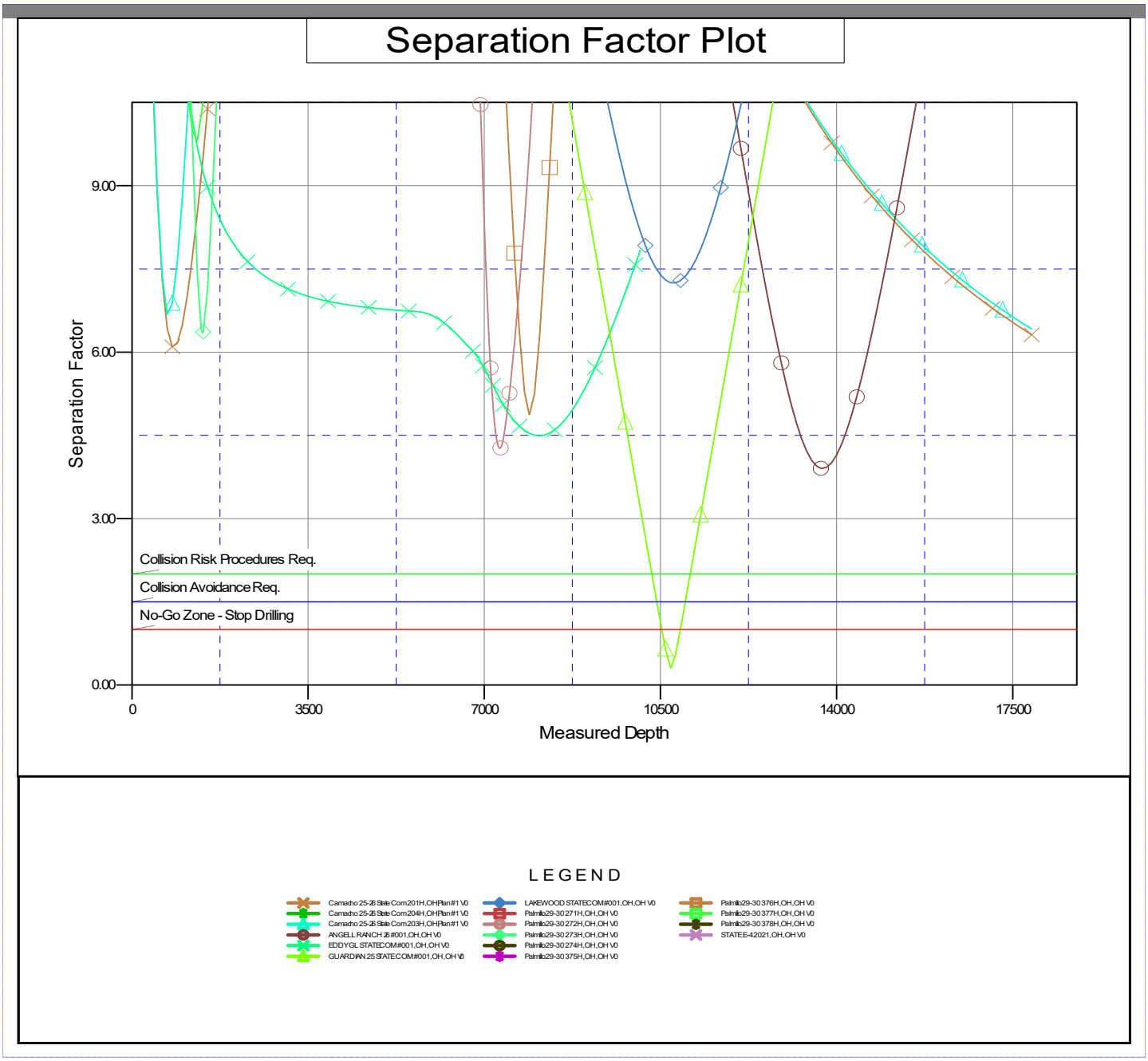


Anticollision Report

Company:	Apache Corporation	**Local Co-ordinate Reference:**	Well Camacho 25-26 State Com 202H
Project:	Eddy Co, NM (NAD83 NM E)	**TVD Reference:**	RKB=30ft @ 3500.00usft
Reference Site:	Camacho 25 26 (Middle)	**MD Reference:**	RKB=30ft @ 3500.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Camacho 25-26 State Com 202H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	Fhartmann
Reference Design:	Plan #1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to RKB=30ft @ 3500.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Camacho 25-26 State Com 202H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.06°



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

HYDROGEN SULFIDE (H_2S) DRILLING OPERATIONS PLAN

Hydrogen Sulfide Training:

All regularly assigned personnel, contracted or employed by Apache Corporation will receive training from qualified instructor(s) in the following areas prior to commencing drilling possible hydrogen sulfide bearing formations in this well:

- The hazards and characteristics of hydrogen sulfide (H_2S)
- The proper use and maintenance of personal protective equipment and life support systems.
- The proper use of H_2S detectors, alarms, warning systems, briefing area, evacuation procedures & prevailing winds.
- The proper techniques for first aid and rescue procedures.

Supervisory personnel will be trained in the following areas:

- The effects of H_2S on metal components. If high tensile tubulars are to be utilized, personnel will be trained in their special maintenance requirements.
- Corrective action & shut-in procedures when drilling or reworking a well & blowout prevention / well control procedures.
- The contents and requirements of the H_2S Drilling Operations Plan

There will be an initial training session just prior to encountering a known or probable H_2S zone (within 3 days or 500') and weekly H_2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H_2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received proper training.

H_2S SAFETY EQUIPMENT AND SYSTEMS:

Well Control Equipment that will be available & installed if H_2S is encountered:

- Flare Line with electronic igniter or continuous pilot.
- Choke manifold with a minimum of one remote choke.
- Blind rams & pipe rams to accommodate all pipe sizes with properly sized closing unit.
- Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head & flare gun with flares

Protective Equipment for Essential Personnel:

- Mark II Survive-air 30 minute units located in dog house & at briefing areas, as indicated on wellsite diagram.

H2S Dection and Monitoring Equipment:

- Two portable H_2S monitors positioned on location for best coverage & response. These units have warning lights & audible sirens when H_2S levels of 20 ppm are reached.
- One portable H_2S monitor positioned near flare line.

H2S Visual Warning Systems:

- Wind direction indicators are shown on wellsite diagram.
- Caution / Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used when appropriate.

Mud Program:

- The Mud Program has been designed to minimize the volume of H_2S circulated to the surface. Proper mud weights, safe drilling practices & the use of H_2S scavengers will minimize hazards when penetrating H_2S bearing zones.
- A mud-gas separator and H_2S gas buster will be utilized as needed.

Metallurgy:

- All drill strings, casing, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold & lines, & valves will be suitable for H_2S service.
- All elastomers used for packing & seals shall be H_2S trim.

Communication:

- Cellular telephone and 2-way radio communications in company vehicles, rig floor and mud logging trailer.

HYDROGEN SULFIDE (H_2S) CONTINGENCY PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H_2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H_2S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H_2S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operators and/or local officials to aid in operation. See list of phone numbers attached.
- Have received training in the :
  - Detection of H_2S, and
  - Measures for protection against the gas,
  - Equipment used for protection and emergency response.

Ignition of Gas source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

Characteristics of H_2S and SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO_2	2.21 Air = I	2 ppm	N/A	1000 ppm

Contacting Authorities

Apache Corporation personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. Apache's response must be in coordination with the State of New Mexico's *"Hazardous Materials Emergency Response Plan" (HMER).*

WELL CONTROL EMERGENCY RESPONSE PLAN

I. GENERAL PHILOSOPHY

Our objective is to ensure that during an emergency, a predetermined procedure is followed so that prompt decisions can be made based on accurate information.

The best way to handle and emergency is with an experienced organization set up for the sole purpose of solving the problem. The *Well Control Emergency Response Team* was organized to handle dangerous & expensive well control problems. The *Team* is structured such that each individual can contribute the most from his area of expertise. Key decision-makers are determined prior to an emergency to avoid confusion about who is in charge.

If the well is flowing uncontrolled at the surface or subsurface, *The Emergency Response Team* will be mobilized. The *Team* is customized for the people currently on the Apache staff. Staff changes may require a change in the plan.

II. EMERGENCY PROCEDURE ON DRILLING OR COMPLETION OPERATIONS

A. In the event of an emergency the *Drilling Foreman or Tool-Pusher* will immediately contact only one of the following starting with the first name listed:

Name	Office	Mobile	Home
David LeBlanc– Drlg Superintendent		972-439-4872	
Jonathan Rebenack – Drilling Engineer	713-296-6061	281-782-5493	
Roy DeNapoli – Drilling Manager	713-296-6739	832-275-8531	
Ted Ward EH&S Coordinator	432-234-0600	432-818-1606	

***This one phone call will free the Drilling Foreman to devote his full time to securing the safety of personnel & equipment. This call will initiate the process to mobilize the Well Control Emergency Response Team. Apache maintains an Emergency Telephone Conference Room in the Houston office. This room is available for us by the Permian Region. The room has 50 separate telephone lines.*

B. The Apache employee contacted by the Drilling Foreman will begin contacting the rest of the *Team*. If **DAVID LE BLANC** is out of contact**, JONATHAN REVENACK** will be notified.

C. If a member of the *Emergency Response Team* is away from the job, he must be available for call back. Telephone numbers should be left with secretaries or a key decision-maker.

D. Apache's reporting procedure for spills or releases of oil or hazardous materials will be implemented when spills or releases have occurred or are probable.

EMERGENCY RESPONSE NUMBERS:

SHERIFF DEPARTMENT	
Eddy County	575-887-7551
Lea County	575-396-3611
FIRE DEPARTMENT	911
Artesia	575-746-5050
Carlsbad	575-885-2111
Eunice	575-394-2111
Hobbs	575-397-9308
Jal	575-395-2221
Lovington	575-396-2359
HOSPITALS	911
Artesia Medical Emergency	575-746-5050
Carlsbad Medical Emergency	575-885-2111
Eunice Medical Emergency	575-394-2112
Hobbs Medical Emergency	575-397-9308
Jal Medical Emergency	575-395-2221
Lovington Medical Emergency	575-396-2359
AGENT NOTIFICATIONS	
Bureau of Land Management	575-393-3612
New Mexico Oil Conservation Division	575-393-6161

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: APACHE CORPORATION **OGRID:** 873 **Date:** 03 / 20 / 2024

II. Type: XX Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Camacho 25 26 State Com 201H		Sec 25 T19S R27E	2542' FSL 750' FEL	4000 bbl/d	8 mmcf/d	6500 bbl/d
Camacho 25 26 State Com 202H		Sec 25 T19S R27E	2512' FSL 750' FEL	4000 bbl/d	8 mmcf/d	6500 bbl/d
Camacho 25 26 State Com 203H		Sec 25 T19S R27E	2482' FSL 750' FEL	4000 bbl/d	8 mmcf/d	6500 bbl/d
Camacho 25 26 State Com 204H		Sec 25 T19S R27E	2452' FSL 750' FEL	4000 bbl/d	8 mmcf/d	6500 bbl/d

IV. Central Delivery Point Name: Camacho 25 26 State CDP [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Camacho 25 26 State Com 201H		8/10/2024	9/30/2024	Not yet scheduled	Not yet scheduled	Not yet scheduled
Camacho 25 26 State Com 202H		8/11/2024	10/17/2024	Not yet scheduled	Not yet scheduled	Not yet scheduled
Camacho 25 26 State Com 203H		8/12/2024	11/3/2024	Not yet scheduled	Not yet scheduled	Not yet scheduled
Camacho 25 26 State Com 204H		8/13/2024	11/20/2024	Not yet scheduled	Not yet scheduled	Not yet scheduled

VI. Separation Equipment: ☐ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: XX Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: XX Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☐ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

XX Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	Sorina L Flores
Printed Name:	Sorina L Flores
Title:	Sr Regulatory Analyst
E-mail Address:	sorina.flores@apachecorp.com
Date:	
Phone:	432-818-1167

OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

VI. SEPARATION EQUIPMENT

(Complete description of how Apache will size separation equipment to optimize gas capture)

Apache Corporation production tank batteries will include separation equipment designed to efficiently separate gas from liquid phases to optimize gas capture based on projected and estimated volumes from the targeted pool in conjunction with the total number of wells planned to/or existing within the facility. If determined to be undersized or needed, separation equipment will be upgraded prior to well(s) being drilled or completed. The separation equipment will be designed and built according to relevant industry specifications, ie API specifications 12J and ASME Sec VIII Div 1. Other recognized industry publications such as Gas Processors Suppliers Association will be referenced when designing separation equipment to optimize gas capture.

VII. OPERATIONAL PRACTICES

(Complete description of actions Apache will take to comply with the requirements of Subsection A-F of 19.15.27.8 NMAC)

(A) Venting & flaring of natural gas

- Apache acknowledges venting or flaring of natural gas during drilling, completion, or production operations constitutes was as defined in 19.15.2 NMAC is prohibited. Apache will maximize recovery of natural gas by minimizing waste of natural gas through venting and flaring. During drilling, completion and production operations, Apache will vent, or flare natural gas only as authorized in subsections B, C and D of 19.15.27.8 NMAC. Apache shall flare rather than vent natural gas except when flaring technically infeasible or would pose a risk to safe operations or personnel safety, and venting is a safer alternative than flaring.

(B) Venting & flaring during drilling operations

- Apache shall capture or combust natural gas, if technically feasible, using best industry practices and control technologies
- A properly sized flare stack will be located at a minimum of 100 feet from the nearest surface hole location unless otherwise approved by the division.
- In the event of an emergency or malfunction, Apache may vent natural gas to avoid risk of an immediate and substantial adverse impact on safety, public health, or the environment. Apache shall report natural gas vented or flared during an emergency or malfunction to the NMOCD division pursuant Paragraph (1) of Subsection G of 19.15.27.8 NMAC.

(C) Venting & flaring during completions and recompletion

- During initial flowback, Apache shall route flowback fluids into a completion or storage tank and, if technically feasible under the applicable well conditions, flare rather than vent and commence operations of a separator as soon as it is technically feasible for a separator to function.
- During separation flowback, Apache shall capture and route natural gas from separation equipment:
  - To a gas flowline or collection system, reinject into the well, or use on-site as a fuel source or other purpose that a purchased fuel or raw material would serve; or
  - To flare if routing natural gas to a gas flowline or collecting system, reinjecting it into the well, or using it on-site as fuel source or other purpose that a purchased fuel or raw material would serve would pose a risk to safe operation or personnel safety.
- If natural gas does not meet gathering pipeline quality specifications, Apache may flare natural gas for 60 days or until the natural gas meets pipeline quality specifications, whichever is sooner, provided:
  - A properly sized flare stack is equipped with an automatic igniter or continuous pilot
  - Apache analyzes natural gas samples twice per week
  - Apache routs natural gas into a gathering pipeline as soon as pipeline specifications are met
  - Apache provides pipeline specifications and natural gas analyses to NMOCD division upon request

(D) Venting & flaring during production operations

- Apache shall not vent or flare natural gas except:
  - During an emergency or malfunction
  - To unload or clean up liquid holdup in a well to atmospheric pressure, provided:
    - Apache does not vent after well achieves stabilized rate and pressure
    - For liquids unloading by manual purging, Apache remains present on-site until the end of unloading or posts at the well site, contact information of personnel conducting liquids unloading operations in close proximity (<30 minutes' drive time) of well being unloaded until end of unloading, takes all

reasonable actions to achieve stabilized rate and pressure at earliest practical time and takes reasonable actions to minimize venting to maximum extent practicable
- Apache will optimize system to minimize venting of natural gas for any well equipped with a plunger lift system or automated control system
- During downhole maintenance, best management practices will be used to the extent that it does not pose a risk to safe operations and personnel safety.

♦ During first 12 months of production from an exploratory well, or as extended by the division for good cause shown, provided:
- Apache proposes and the division approves well as exploratory
- Apache is in compliance with its' statewide gas capture requirements
- Apache submits an updated C-129 form to the division, including a NGMP and timeline for connecting well to a natural gas gathering system or otherwise approved by the division

♦ During the following activities unless prohibited
- Gauging or sampling a storage tank or other low pressure production vessel
- Loading out liquids from a storage tank or other low pressure production vessel to a transport vehicle
- Repair and maintenance, including blowing down and depressurizing production equipment to perform repair and maintenance
- Normal operation of gas activated pneumatic controller or pump
- Normal operation of storage tank or other low pressure production vessel, but not including venting from a thief hatch that is not properly closed or maintained on an established schedule
- Normal operations of dehydration units and amine treatment units
- Normal operations of compressors, compressor engines, and turbines
- Normal operations of valves, flanges and connectors that is not the result of inadequate equipment design or maintenance
- Bradenhead, packer leakage test or production test lasting less than 24 hours unless the division requires or approves a longer test period
- When natural gas does not meet gathering pipeline specifications
- Commissioning of pipelines, equipment, or facilities only for as long as necessary to purge introduced impurities from pipeline or equipment

(E) Performance standards

➢ All tanks and separation equipment are designed for maximum thoughput and pressure to minimize waste
➢ Permanent storage tanks associated with production operations that is routed to a flare or control device installed after May 25, 2021, shall equip storage tank with an automatic gauging system that reduces venting of natural gas
➢ Apache will install a flare properly sized and designed to ensure proper combustion efficiency
  ♦ Flare stack installed or replaced after May 25, 2021, shall be equipped with an automatic ignitor or continuous pilot
  ♦ Flare stack installed before May 25, 2021, shall be retrofitted with an automatic ignitor, continuous pilot or technology that alerts operator that flare may have malfunctioned no later than 18 months after May 25, 2021
  ♦ Flare stack located at well or facility, with an average daily production of equal to or less than 60 mcf of natural gas shall be equipped with an automatic ignitor or continuous pilot if flare stack is replaced after May 25, 2021
➢ Flare stack constructed after May 25, 2021, shall be securely anchored, and located at least 100 feet from well and storage tanks unless otherwise approved by the division
➢ At any point in the life of the well (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly, during first year of production and on well or facility with average daily production greater than 60,000 cubic feet of natural gas, to confirm all production components are operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.
➢ Apache will make and keep records of AVO inspections available to NMOCD for at least 5 years
➢ Apache may use a remote or automated monitoring technology to detect leaks and release in lieu of AVO inspections with prior NMOCD approval
➢ Facilities will be designed to minimize waste
➢ Apache will minimize waste and shall resolve emergencies as quickly and safely as feasible

(F) Measurement or estimation of vented and flared natural gas

- Apache shall measure or estimate volume of natural gas it vents, flares, or beneficially uses during drilling, completion, and production operations regardless of the reason or authorization for such venting or flaring
- Measurement equipment will be installed to measure volume of natural gas flared from existing process piping or flowline piped from equipment associated with a well or facility associated with approved application for permit to drill that has an average daily production greater than 60 mcf of natural gas
- Measuring equipment shall conform to an industry standard
- Measuring equipment shall not be designed or equipped with a manifold that allows diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment
- Apache may estimate volume of vented or flared natural gas using methodology that can be independently verified if metering is not practicable due to low flow rate or pressure
- Apache will estimate volume of vented and flared natural gas based on result of an annual GOR test for that well reported on form C-116 to allow division to independently verify volume and rate of flared natural gas for a well that does not require measuring equipment
- Apache shall install measuring equipment whenever the division determines metering is practicable or the existing measuring equipment or GOR test is not sufficient to measure volume of vented and flared natural gas

VIII. BEST MANAGEMENT PRACTICES

(Complete description of Apache's best management practices to minimize venting during active and planned maintenance)

- Apache has a flare stack designed to handle sufficient volume to ensure proper combustion efficiency. Flare stacks are securely anchored at lease 100 feed from wells and storage tanks and are equipped with continuous pilots.
- Apache will not produce oil or gas but will maintain adequate well control through completion operations
- Apache will not flow well during initial production until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational
- Apache will equip storage tanks with automatic gauging system to reduce venting of natural gas
- When feasible, Apache will combust natural gas that would otherwise be vented or flared
- When feasible, Apache will minimize venting through pump downs of vessels and reducing time required to purge equipment before returning to service
- When feasible, Apache will shut in wells in the event of a takeaway disruption, emergency situations, or other operations where venting or flaring may occur due to equipment failures
- Reduce number of blowdowns by looking for opportunities to coordinate repair and maintenance activities