

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 289181

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

1. Operator Name and Address MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241		2. OGRID Number 14744
		3. API Number 30-015-47691
4. Property Code 322292	5. Property Name SILVER BULLET 16 W1DM STATE	6. Well No. 001H

7. Surface Location

UL - Lot D	Section 16	Township 26S	Range 29E	Lot Idn D	Feet From 226	N/S Line N	Feet From 330	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot M	Section 16	Township 26S	Range 29E	Lot Idn M	Feet From 330	N/S Line S	Feet From 330	E/W Line W	County Eddy
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9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 2942
16. Multiple N	17. Proposed Depth 14542	18. Formation Wolfcamp	19. Contractor	20. Spud Date 12/17/2020
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	48	550	440	0
Int1	12.25	9.625	36	2785	590	0
Prod	8.75	7	26	10000	840	2585
Liner1	6.125	4.5	13.5	14542	210	9421

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	Schaffer
Double Ram	5000	5000	Schaffer
Annular	5000	2500	Schaffer

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.

OIL CONSERVATION DIVISION

Signature:			
Printed Name:	Electronically filed by Monty Whetstone	Approved By:	Kurt Simmons
Title:	Vice President Operations	Title:	Petroleum Specialist - A
Email Address:	prodmgr@mewbourne.com	Approved Date:	11/20/2020
Date:	11/18/2020	Phone:	903-561-2900
		Expiration Date:	11/20/2022
Conditions of Approval Attached			

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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, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 98220		³ Pool Name PURPLE SAGE WOLFCAMP GAS	
⁴ Property Code		⁵ Property Name SILVER BULLET 16 W1DM STATE			⁶ Well Number 1H
⁷ OGRID NO. 14744		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 2942'

¹⁰ Surface Location

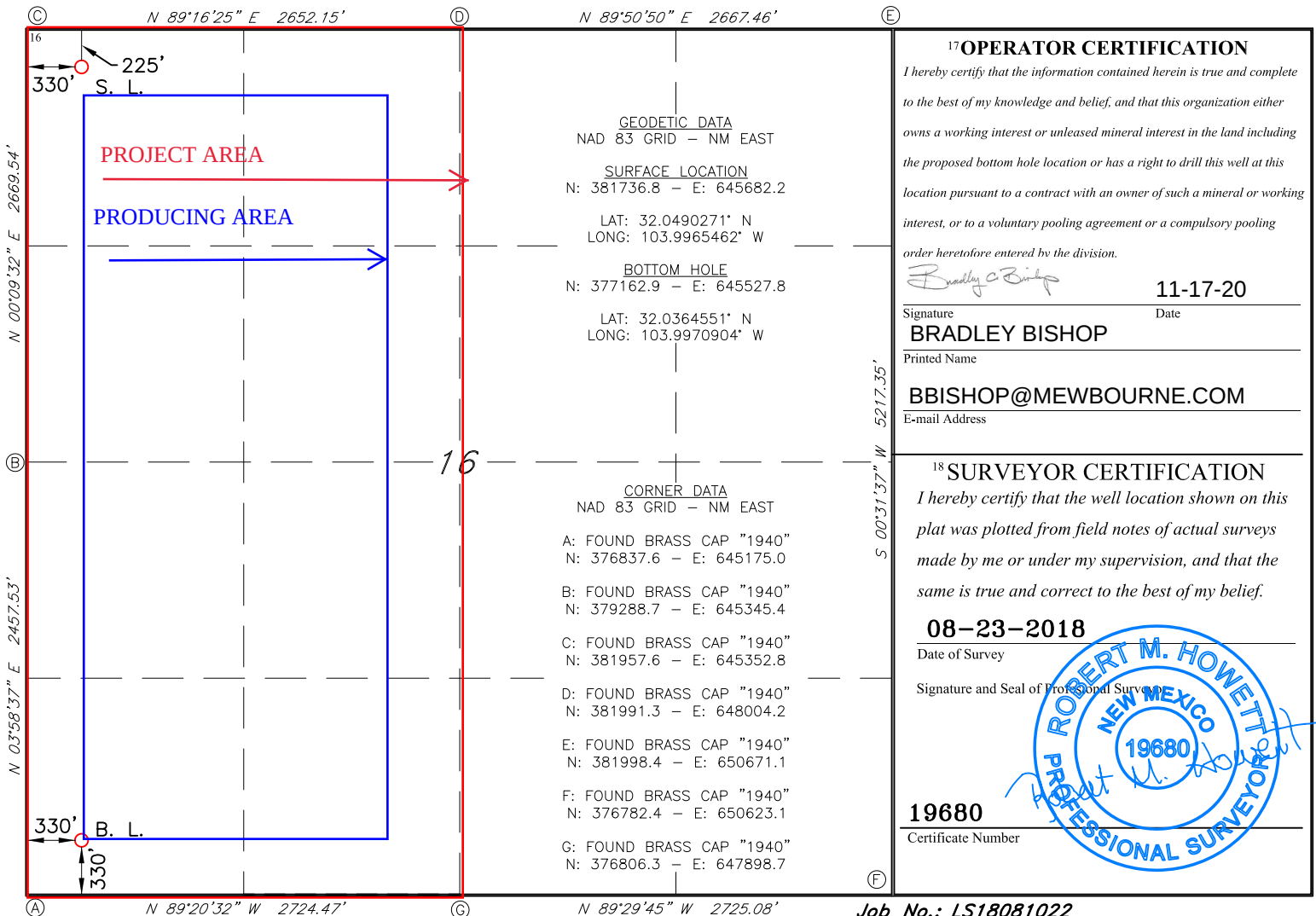
UL or lot no. D	Section 16	Township 26S	Range 29E	Lot Idn	Feet from the 225	North/South line NORTH	Feet From the 330	East/West line WEST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. M	Section 16	Township 26S	Range 29E	Lot Idn	Feet from the 330	North/South line SOUTH	Feet from the 330	East/West line WEST	County EDDY
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



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

GAS CAPTURE PLAN

Date: 11/20/2020

☒ Original

Operator & OGRID No.: [14744] MEWBOURNE OIL CO

☐ Amended - Reason for
Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
SILVER BULLET 16 W1DM STATE #001H	30-015-47691	D-16-26S-29E	0226N 0330W	10	None	ONLINE AFTER FRAC

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to WESTERN GAS PROCESSING and will be connected to WESTERN GAS PROCESSING High Pressure gathering system located in Eddy County, New Mexico. It will require 3400' of pipeline to connect the facility to High Pressure gathering system. MEWBOURNE OIL CO provides (periodically) to WESTERN GAS PROCESSING a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, MEWBOURNE OIL CO and WESTERN GAS PROCESSING have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at WESTERN GAS PROCESSING Processing Plant located in Sec. 16, Twn. 26S, Rng. 29E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on WESTERN GAS PROCESSING system at that time. Based on current information, it is MEWBOURNE OIL CO's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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Form APD Comments

Permit 289181

PERMIT COMMENTS

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241		API Number: 30-015-47691
		Well: SILVER BULLET 16 W1DM STATE #001H

Created By	Comment	Comment Date
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Santa Fe, NM 87505

Form APD Conditions

Permit 289181

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MEWBOURNE OIL CO [14744] P.O. Box 5270 Hobbs, NM 88241	API Number: 30-015-47691
	Well: SILVER BULLET 16 W1DM STATE #001H

OCD Reviewer	Condition
ksimmons	Will require a directional survey with the C-104
ksimmons	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
kpickford	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
kpickford	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
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Sliver Bullet Pad

Silver Bullet 16 W1DM State #1H

OH

Plan: Plan #2

Standard Planning Report

06 November, 2020





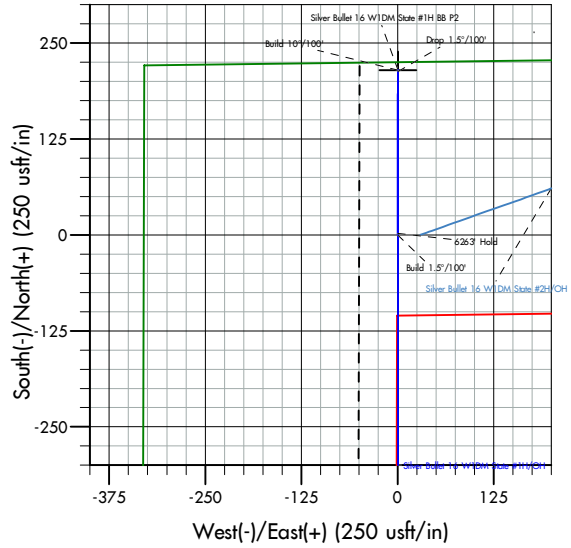
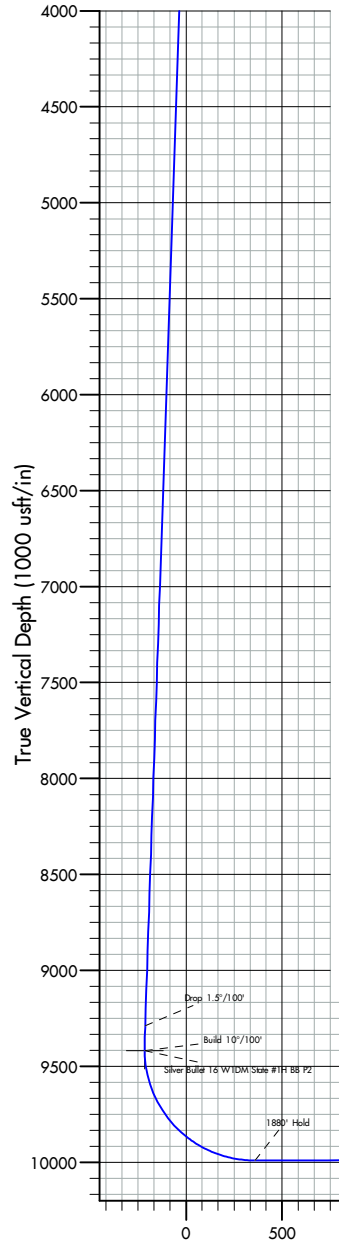
Project: Eddy Co., NM (NAD 83)
Site: Silver Bullet Pad
Well: Silver Bullet 16 W1DM State #1H
Wellbore: OH
Design: Plan #2
Lat: 32.049027
Long: -103.996546
GL: 2942.00
KB: KB=28' @ 2970.00usft



WELL DETAILS: Silver Bullet 16 W1DM State #1H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	381736.80	645682.20	32.049027	-103.996546

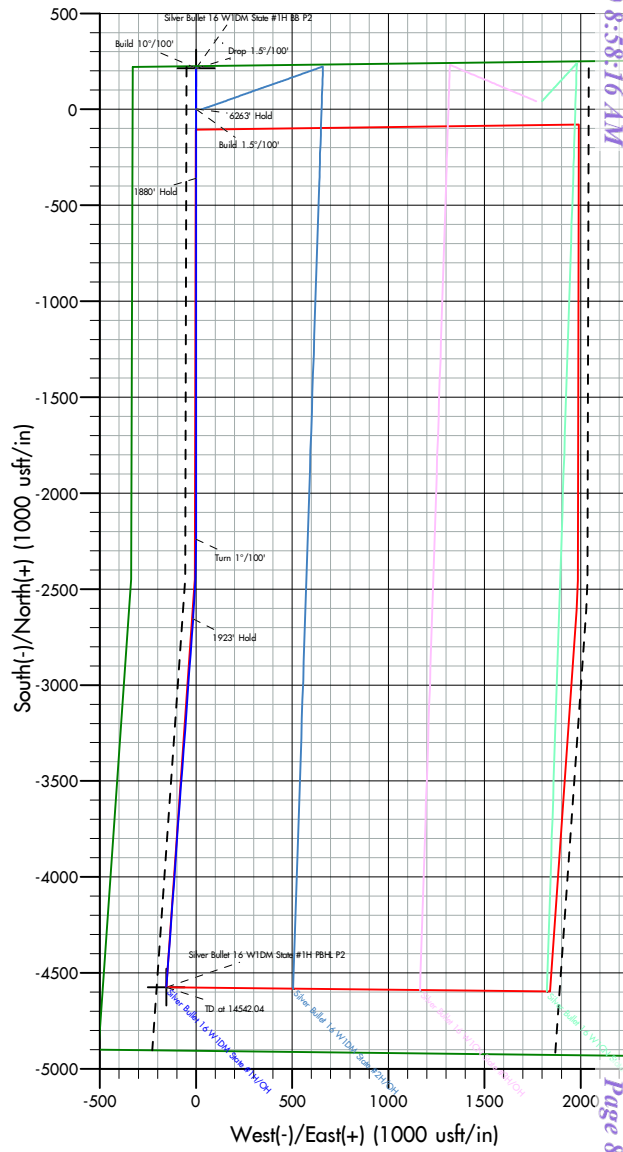
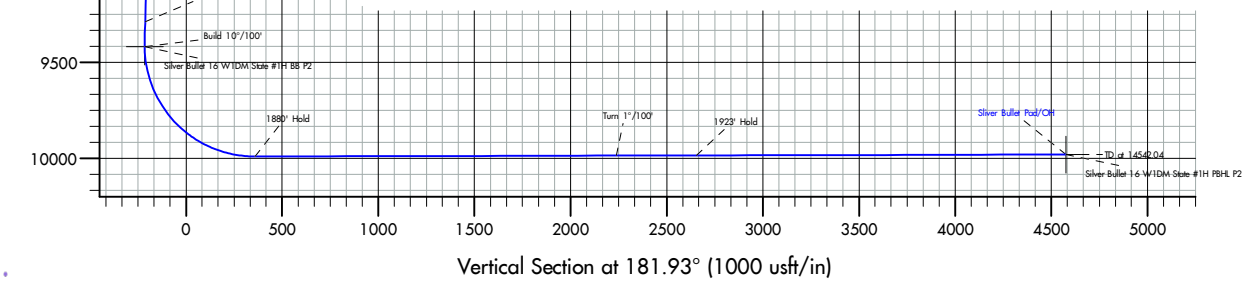
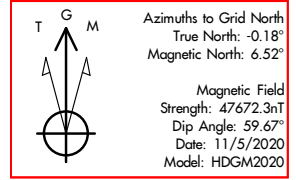
WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Silver Bullet 16 W1DM State #1H BB P2	9417.04	214.99	0.59	381951.79	645682.79	Point
Silver Bullet 16 W1DM State #1H PBHL P2	9980.00	-4573.90	-154.40	377162.90	645527.80	Point

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	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	Build 1.5°/100'
3028.50	1.93	0.16	3028.47	2.16	0.01	1.50	0.16	-2.16	6263' Hold
9292.14	1.93	0.16	9288.57	212.83	0.58	0.00	0.00	-212.73	Drop 1.5°/100'
9420.63	0.00	0.00	9417.04	214.99	0.59	1.50	180.00	-214.89	Build 10°/100'
0321.99	90.14	180.00	9990.00	-359.32	0.59	10.00	180.00	359.10	1880' Hold
2201.99	90.14	180.00	9985.53	-2239.32	0.59	0.00	0.00	2238.02	Turn 1°/100'
2618.93	90.14	184.17	9984.55	-2655.89	-14.58	1.00	90.00	2654.87	1923' Hold
4542.04	90.14	184.17	9980.00	-4573.90	-154.40	0.00	0.00	4576.51	TD at 14542.04



Silver Bullet 16
W1DM State #1H
SHL: 225' FNL & 330' FWL
BHL: 330' FSL & 330' FWL

330' FNL Hard Line
330' FSL Hard Line
2322' FWL Hard Line
330' FWL Hard Line



Received by OCD: 11/20/2020 8:58:16 AM Page 8 of 21



Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 2970.00usft
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 2970.00usft
Site:	Sliver Bullet Pad	North Reference:	Grid
Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Project	Eddy Co., NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sliver Bullet Pad			
Site Position:		Northing:	381,736.80 usft	Latitude: 32.049027
From:	Map	Easting:	645,682.20 usft	Longitude: -103.996546
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	

Well	Silver Bullet 16 W1DM State #1H			
Well Position	+N/-S	0.00 usft	Northing:	381,736.80 usft
	+E/-W	0.00 usft	Easting:	645,682.20 usft
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft
Grid Convergence:		0.18 °	Ground Level:	2,942.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	11/5/2020	6.70	59.67	47,672.30000000

Design	Plan #2				
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	181.93	

Plan Survey Tool Program	Date	11/6/2020			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	14,542.04 Plan #2 (OH)	MWD + HDGM		
			MWD + HDGM - Standard		



Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 2970.00usft
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 2970.00usft
Site:	Silver Bullet Pad	North Reference:	Grid
Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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	
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,028.50	1.93	0.16	3,028.47	2.16	0.01	1.50	1.50	0.00	0.16	
9,292.14	1.93	0.16	9,288.57	212.83	0.58	0.00	0.00	0.00	0.00	
9,420.63	0.00	0.00	9,417.04	214.99	0.59	1.50	-1.50	0.00	180.00	Silver Bullet 16 W1DM
10,321.99	90.14	180.00	9,990.00	-359.32	0.59	10.00	10.00	0.00	180.00	
12,201.99	90.14	180.00	9,985.53	-2,239.32	0.59	0.00	0.00	0.00	0.00	
12,618.93	90.14	184.17	9,984.55	-2,655.89	-14.58	1.00	0.00	1.00	90.00	
14,542.04	90.14	184.17	9,980.00	-4,573.90	-154.40	0.00	0.00	0.00	0.00	Silver Bullet 16 W1DM



Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 2970.00usft
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 2970.00usft
Site:	Silver Bullet Pad	North Reference:	Grid
Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 1.5°/100'									
3,000.00	1.50	0.16	2,999.99	1.31	0.00	-1.31	1.50	1.50	0.00
3,028.50	1.93	0.16	3,028.47	2.16	0.01	-2.16	1.50	1.50	0.00
6263' Hold									
3,100.00	1.93	0.16	3,099.94	4.57	0.01	-4.56	0.00	0.00	0.00
3,200.00	1.93	0.16	3,199.88	7.93	0.02	-7.93	0.00	0.00	0.00
3,300.00	1.93	0.16	3,299.82	11.29	0.03	-11.29	0.00	0.00	0.00
3,400.00	1.93	0.16	3,399.77	14.66	0.04	-14.65	0.00	0.00	0.00
3,500.00	1.93	0.16	3,499.71	18.02	0.05	-18.01	0.00	0.00	0.00
3,600.00	1.93	0.16	3,599.65	21.38	0.06	-21.37	0.00	0.00	0.00
3,700.00	1.93	0.16	3,699.60	24.75	0.07	-24.73	0.00	0.00	0.00
3,800.00	1.93	0.16	3,799.54	28.11	0.08	-28.10	0.00	0.00	0.00
3,900.00	1.93	0.16	3,899.48	31.47	0.09	-31.46	0.00	0.00	0.00
4,000.00	1.93	0.16	3,999.43	34.84	0.09	-34.82	0.00	0.00	0.00
4,100.00	1.93	0.16	4,099.37	38.20	0.10	-38.18	0.00	0.00	0.00
4,200.00	1.93	0.16	4,199.31	41.56	0.11	-41.54	0.00	0.00	0.00
4,300.00	1.93	0.16	4,299.26	44.93	0.12	-44.91	0.00	0.00	0.00
4,400.00	1.93	0.16	4,399.20	48.29	0.13	-48.27	0.00	0.00	0.00
4,500.00	1.93	0.16	4,499.14	51.65	0.14	-51.63	0.00	0.00	0.00
4,600.00	1.93	0.16	4,599.09	55.02	0.15	-54.99	0.00	0.00	0.00
4,700.00	1.93	0.16	4,699.03	58.38	0.16	-58.35	0.00	0.00	0.00
4,800.00	1.93	0.16	4,798.97	61.74	0.17	-61.71	0.00	0.00	0.00
4,900.00	1.93	0.16	4,898.92	65.11	0.18	-65.08	0.00	0.00	0.00
5,000.00	1.93	0.16	4,998.86	68.47	0.19	-68.44	0.00	0.00	0.00



Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 2970.00usft
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 2970.00usft
Site:	Silver Bullet Pad	North Reference:	Grid
Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)	
5,100.00	1.93	0.16	5,098.80	71.83	0.20	-71.80	0.00	0.00	0.00	
5,200.00	1.93	0.16	5,198.75	75.20	0.20	-75.16	0.00	0.00	0.00	
5,300.00	1.93	0.16	5,298.69	78.56	0.21	-78.52	0.00	0.00	0.00	
5,400.00	1.93	0.16	5,398.63	81.92	0.22	-81.89	0.00	0.00	0.00	
5,500.00	1.93	0.16	5,498.58	85.29	0.23	-85.25	0.00	0.00	0.00	
5,600.00	1.93	0.16	5,598.52	88.65	0.24	-88.61	0.00	0.00	0.00	
5,700.00	1.93	0.16	5,698.46	92.01	0.25	-91.97	0.00	0.00	0.00	
5,800.00	1.93	0.16	5,798.41	95.38	0.26	-95.33	0.00	0.00	0.00	
5,900.00	1.93	0.16	5,898.35	98.74	0.27	-98.69	0.00	0.00	0.00	
6,000.00	1.93	0.16	5,998.29	102.10	0.28	-102.06	0.00	0.00	0.00	
6,100.00	1.93	0.16	6,098.24	105.47	0.29	-105.42	0.00	0.00	0.00	
6,200.00	1.93	0.16	6,198.18	108.83	0.30	-108.78	0.00	0.00	0.00	
6,300.00	1.93	0.16	6,298.12	112.19	0.31	-112.14	0.00	0.00	0.00	
6,400.00	1.93	0.16	6,398.07	115.56	0.31	-115.50	0.00	0.00	0.00	
6,500.00	1.93	0.16	6,498.01	118.92	0.32	-118.86	0.00	0.00	0.00	
6,600.00	1.93	0.16	6,597.96	122.29	0.33	-122.23	0.00	0.00	0.00	
6,700.00	1.93	0.16	6,697.90	125.65	0.34	-125.59	0.00	0.00	0.00	
6,800.00	1.93	0.16	6,797.84	129.01	0.35	-128.95	0.00	0.00	0.00	
6,900.00	1.93	0.16	6,897.79	132.38	0.36	-132.31	0.00	0.00	0.00	
7,000.00	1.93	0.16	6,997.73	135.74	0.37	-135.67	0.00	0.00	0.00	
7,100.00	1.93	0.16	7,097.67	139.10	0.38	-139.04	0.00	0.00	0.00	
7,200.00	1.93	0.16	7,197.62	142.47	0.39	-142.40	0.00	0.00	0.00	
7,300.00	1.93	0.16	7,297.56	145.83	0.40	-145.76	0.00	0.00	0.00	
7,400.00	1.93	0.16	7,397.50	149.19	0.41	-149.12	0.00	0.00	0.00	
7,500.00	1.93	0.16	7,497.45	152.56	0.42	-152.48	0.00	0.00	0.00	
7,600.00	1.93	0.16	7,597.39	155.92	0.42	-155.84	0.00	0.00	0.00	
7,700.00	1.93	0.16	7,697.33	159.28	0.43	-159.21	0.00	0.00	0.00	
7,800.00	1.93	0.16	7,797.28	162.65	0.44	-162.57	0.00	0.00	0.00	
7,900.00	1.93	0.16	7,897.22	166.01	0.45	-165.93	0.00	0.00	0.00	
8,000.00	1.93	0.16	7,997.16	169.37	0.46	-169.29	0.00	0.00	0.00	
8,100.00	1.93	0.16	8,097.11	172.74	0.47	-172.65	0.00	0.00	0.00	
8,200.00	1.93	0.16	8,197.05	176.10	0.48	-176.02	0.00	0.00	0.00	
8,300.00	1.93	0.16	8,296.99	179.46	0.49	-179.38	0.00	0.00	0.00	
8,400.00	1.93	0.16	8,396.94	182.83	0.50	-182.74	0.00	0.00	0.00	
8,500.00	1.93	0.16	8,496.88	186.19	0.51	-186.10	0.00	0.00	0.00	
8,600.00	1.93	0.16	8,596.82	189.55	0.52	-189.46	0.00	0.00	0.00	
8,700.00	1.93	0.16	8,696.77	192.92	0.53	-192.82	0.00	0.00	0.00	
8,800.00	1.93	0.16	8,796.71	196.28	0.53	-196.19	0.00	0.00	0.00	
8,900.00	1.93	0.16	8,896.65	199.64	0.54	-199.55	0.00	0.00	0.00	
9,000.00	1.93	0.16	8,996.60	203.01	0.55	-202.91	0.00	0.00	0.00	
9,100.00	1.93	0.16	9,096.54	206.37	0.56	-206.27	0.00	0.00	0.00	
9,200.00	1.93	0.16	9,196.48	209.73	0.57	-209.63	0.00	0.00	0.00	
9,292.14	1.93	0.16	9,288.57	212.83	0.58	-212.73	0.00	0.00	0.00	
Drop 1.5°/100'										
9,300.00	1.81	0.16	9,296.43	213.09	0.58	-212.99	1.50	-1.50	0.00	
9,400.00	0.31	0.16	9,396.41	214.94	0.59	-214.84	1.50	-1.50	0.00	
9,420.63	0.00	0.00	9,417.04	214.99	0.59	-214.89	1.50	-1.50	0.00	
Build 10°/100'										
9,450.00	2.94	180.00	9,446.39	214.24	0.59	-214.14	10.00	10.00	0.00	
9,500.00	7.94	180.00	9,496.15	209.51	0.59	-209.41	10.00	10.00	0.00	
9,550.00	12.94	180.00	9,545.31	200.45	0.59	-200.36	10.00	10.00	0.00	
9,600.00	17.94	180.00	9,593.49	187.15	0.59	-187.06	10.00	10.00	0.00	
9,650.00	22.94	180.00	9,640.33	169.69	0.59	-169.62	10.00	10.00	0.00	
9,700.00	27.94	180.00	9,685.47	148.22	0.59	-148.16	10.00	10.00	0.00	



Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 2970.00usft
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 2970.00usft
Site:	Silver Bullet Pad	North Reference:	Grid
Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,750.00	32.94	180.00	9,728.56	122.90	0.59	-122.85	10.00	10.00	0.00	
9,800.00	37.94	180.00	9,769.29	93.92	0.59	-93.89	10.00	10.00	0.00	
9,850.00	42.94	180.00	9,807.33	61.50	0.59	-61.49	10.00	10.00	0.00	
9,900.00	47.94	180.00	9,842.41	25.89	0.59	-25.89	10.00	10.00	0.00	
9,950.00	52.94	180.00	9,874.24	-12.64	0.59	12.62	10.00	10.00	0.00	
10,000.00	57.94	180.00	9,902.60	-53.81	0.59	53.76	10.00	10.00	0.00	
10,050.00	62.94	180.00	9,927.26	-97.28	0.59	97.21	10.00	10.00	0.00	
10,100.00	67.94	180.00	9,948.04	-142.74	0.59	142.64	10.00	10.00	0.00	
10,150.00	72.94	180.00	9,964.78	-189.84	0.59	189.72	10.00	10.00	0.00	
10,200.00	77.94	180.00	9,977.35	-238.22	0.59	238.07	10.00	10.00	0.00	
10,250.00	82.94	180.00	9,985.65	-287.51	0.59	287.33	10.00	10.00	0.00	
10,300.00	87.94	180.00	9,989.63	-337.34	0.59	337.12	10.00	10.00	0.00	
10,321.99	90.14	180.00	9,990.00	-359.32	0.59	359.10	10.00	10.00	0.00	
1880' Hold										
10,400.00	90.14	180.00	9,989.81	-437.33	0.59	437.06	0.00	0.00	0.00	
10,500.00	90.14	180.00	9,989.57	-537.33	0.59	537.01	0.00	0.00	0.00	
10,600.00	90.14	180.00	9,989.34	-637.33	0.59	636.95	0.00	0.00	0.00	
10,700.00	90.14	180.00	9,989.10	-737.33	0.59	736.89	0.00	0.00	0.00	
10,800.00	90.14	180.00	9,988.86	-837.33	0.59	836.83	0.00	0.00	0.00	
10,900.00	90.14	180.00	9,988.62	-937.33	0.59	936.78	0.00	0.00	0.00	
11,000.00	90.14	180.00	9,988.39	-1,037.33	0.59	1,036.72	0.00	0.00	0.00	
11,100.00	90.14	180.00	9,988.15	-1,137.33	0.59	1,136.66	0.00	0.00	0.00	
11,200.00	90.14	180.00	9,987.91	-1,237.33	0.59	1,236.61	0.00	0.00	0.00	
11,300.00	90.14	180.00	9,987.67	-1,337.33	0.59	1,336.55	0.00	0.00	0.00	
11,400.00	90.14	180.00	9,987.44	-1,437.33	0.59	1,436.49	0.00	0.00	0.00	
11,500.00	90.14	180.00	9,987.20	-1,537.33	0.59	1,536.43	0.00	0.00	0.00	
11,600.00	90.14	180.00	9,986.96	-1,637.33	0.59	1,636.38	0.00	0.00	0.00	
11,700.00	90.14	180.00	9,986.73	-1,737.33	0.59	1,736.32	0.00	0.00	0.00	
11,800.00	90.14	180.00	9,986.49	-1,837.33	0.59	1,836.26	0.00	0.00	0.00	
11,900.00	90.14	180.00	9,986.25	-1,937.33	0.59	1,936.21	0.00	0.00	0.00	
12,000.00	90.14	180.00	9,986.01	-2,037.33	0.59	2,036.15	0.00	0.00	0.00	
12,100.00	90.14	180.00	9,985.78	-2,137.33	0.59	2,136.09	0.00	0.00	0.00	
12,201.99	90.14	180.00	9,985.53	-2,239.32	0.59	2,238.02	0.00	0.00	0.00	
Turn 1°/100'										
12,300.00	90.14	180.98	9,985.30	-2,337.32	-0.25	2,336.00	1.00	0.00	1.00	
12,400.00	90.14	181.98	9,985.06	-2,437.29	-2.84	2,436.00	1.00	0.00	1.00	
12,500.00	90.14	182.98	9,984.83	-2,537.19	-7.16	2,535.99	1.00	0.00	1.00	
12,600.00	90.14	183.98	9,984.59	-2,637.01	-13.23	2,635.95	1.00	0.00	1.00	
12,618.93	90.14	184.17	9,984.55	-2,655.89	-14.58	2,654.87	1.00	0.00	1.00	
1923' Hold										
12,700.00	90.14	184.17	9,984.35	-2,736.74	-20.47	2,735.88	0.00	0.00	0.00	
12,800.00	90.14	184.17	9,984.12	-2,836.48	-27.74	2,835.80	0.00	0.00	0.00	
12,900.00	90.14	184.17	9,983.88	-2,936.21	-35.01	2,935.72	0.00	0.00	0.00	
13,000.00	90.14	184.17	9,983.65	-3,035.95	-42.28	3,035.65	0.00	0.00	0.00	
13,100.00	90.14	184.17	9,983.41	-3,135.68	-49.56	3,135.57	0.00	0.00	0.00	
13,200.00	90.14	184.17	9,983.17	-3,235.42	-56.83	3,235.49	0.00	0.00	0.00	
13,300.00	90.14	184.17	9,982.94	-3,335.15	-64.10	3,335.42	0.00	0.00	0.00	
13,400.00	90.14	184.17	9,982.70	-3,434.89	-71.37	3,435.34	0.00	0.00	0.00	
13,500.00	90.14	184.17	9,982.46	-3,534.62	-78.64	3,535.26	0.00	0.00	0.00	
13,600.00	90.14	184.17	9,982.23	-3,634.36	-85.91	3,635.19	0.00	0.00	0.00	
13,700.00	90.14	184.17	9,981.99	-3,734.09	-93.18	3,735.11	0.00	0.00	0.00	
13,800.00	90.14	184.17	9,981.75	-3,833.83	-100.45	3,835.04	0.00	0.00	0.00	
13,900.00	90.14	184.17	9,981.52	-3,933.56	-107.72	3,934.96	0.00	0.00	0.00	



Altitude Energy Partners

Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Company:	Mewbourne Oil Company	TVD Reference:	KB=28' @ 2970.00usft
Project:	Eddy Co., NM (NAD 83)	MD Reference:	KB=28' @ 2970.00usft
Site:	Silver Bullet Pad	North Reference:	Grid
Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)	
14,000.00	90.14	184.17	9,981.28	-4,033.30	-114.99	4,034.88	0.00	0.00	0.00	
14,100.00	90.14	184.17	9,981.05	-4,133.03	-122.26	4,134.81	0.00	0.00	0.00	
14,200.00	90.14	184.17	9,980.81	-4,232.77	-129.53	4,234.73	0.00	0.00	0.00	
14,300.00	90.14	184.17	9,980.57	-4,332.50	-136.80	4,334.65	0.00	0.00	0.00	
14,400.00	90.14	184.17	9,980.34	-4,432.24	-144.07	4,434.58	0.00	0.00	0.00	
14,491.12	90.14	184.17	9,980.12	-4,523.11	-150.70	4,525.62	0.00	0.00	0.00	
20" Casing										
14,500.00	90.14	184.17	9,980.10	-4,531.97	-151.34	4,534.50	0.00	0.00	0.00	
14,542.04	90.14	184.17	9,980.00	-4,573.90	-154.40	4,576.51	0.00	0.00	0.00	
TD at 14542.04										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Silver Bullet 16 W1DM S	0.00	0.00	9,417.04	214.99	0.59	381,951.79	645,682.79	32.049618	-103.996542	
- plan hits target center										
- Point										
Silver Bullet 16 W1DM S	0.00	0.00	9,980.00	-4,573.90	-154.40	377,162.90	645,527.80	32.036455	-103.997091	
- plan hits target center										
- Point										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
14,491.12	9,980.12	20" Casing	20	24	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,900.00	2,900.00	0.00	0.00	Build 1.5°/100'	
3,028.50	3,028.47	2.16	0.01	6263' Hold	
9,292.14	9,288.57	212.83	0.58	Drop 1.5°/100'	
9,420.63	9,417.04	214.99	0.59	Build 10°/100'	
10,321.99	9,990.00	-359.32	0.59	1880' Hold	
12,201.99	9,985.53	-2,239.32	0.59	Turn 1°/100'	
12,618.93	9,984.55	-2,655.89	-14.58	1923' Hold	
14,542.04	9,980.00	-4,573.90	-154.40	TD at 14542.04	



MEWBOURNE
OIL COMPANY

Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Sliver Bullet Pad

Silver Bullet 16 W1DM State #1H

OH

Plan #2

Anticollision Report

06 November, 2020





Altitude Energy Partners

Anticollision Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 2970.00usft
Reference Site:	Silver Bullet Pad	MD Reference:	KB=28' @ 2970.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Max. Cent. Dist. of 1,000.00usft or Max. SF of 6	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	11/6/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	14,542.04	Plan #2 (OH)	MWD + HDGM	MWD + HDGM - Standard	

Summary						
Site Name	Reference Measured Depth	Offset Measured Depth	Distance		Separation	Warning
Offset Well - Wellbore - Design	Depth (usft)	Depth (usft)	Between Centres (usft)	Between Ellipses (usft)	Factor	
Sliver Bullet Pad						
Silver Bullet 16 W1CN State #3H - OH - Plan #2						Out of range
Silver Bullet 16 W1CN State #4H - OH - Plan #1						Out of range
Silver Bullet 16 W1DM State #2H - OH - Plan #1	604.67	603.67	30.00	26.13	7.747	CC
Silver Bullet 16 W1DM State #2H - OH - Plan #1	700.00	698.64	30.30	25.75	6.656	ES
Silver Bullet 16 W1DM State #2H - OH - Plan #1	14,542.04	14,804.81	695.24	550.88	4.816	SF

Offset Design: Silver Bullet Pad - Silver Bullet 16 W1DM State #2H - OH - Plan #1												Offset Site Error: 0.00 usft	
Survey Program: Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.24	0.40	30.00	30.02				
100.00	100.00	99.00	99.00	0.13	0.13	89.24	0.40	30.00	30.00	29.75	0.26	116.829	
200.00	200.00	199.00	199.00	0.49	0.48	89.24	0.40	30.00	30.00	29.03	0.97	30.884	
300.00	300.00	299.00	299.00	0.85	0.84	89.24	0.40	30.00	30.00	28.31	1.69	17.770	
400.00	400.00	399.00	399.00	1.20	1.20	89.24	0.40	30.00	30.00	27.60	2.41	12.473	
500.00	500.00	499.00	499.00	1.56	1.56	89.24	0.40	30.00	30.00	26.88	3.12	9.609	
600.00	600.00	599.00	599.00	1.92	1.92	89.24	0.40	30.00	30.00	26.16	3.84	7.815	
604.67	604.67	603.67	603.67	1.94	1.93	89.24	0.40	30.00	30.00	26.13	3.87	7.747	CC
700.00	700.00	698.64	698.63	2.28	2.27	89.05	0.50	30.29	30.30	25.75	4.55	6.656	ES
800.00	800.00	797.83	797.79	2.64	2.62	87.63	1.35	32.70	32.75	27.49	5.25	6.232	
900.00	900.00	896.82	896.65	3.00	2.97	85.34	3.06	37.52	37.71	31.76	5.96	6.331	
1,000.00	1,000.00	996.08	995.64	3.36	3.32	82.94	5.50	44.43	44.89	38.23	6.66	6.739	
1,100.00	1,100.00	1,095.79	1,095.05	3.71	3.68	81.14	8.05	51.63	52.40	45.03	7.37	7.108	
1,200.00	1,200.00	1,195.49	1,194.46	4.07	4.04	79.79	10.60	58.83	59.95	51.87	8.08	7.416	
1,300.00	1,300.00	1,295.20	1,293.88	4.43	4.41	78.74	13.14	66.04	67.53	58.73	8.80	7.676	
1,400.00	1,400.00	1,394.91	1,393.29	4.79	4.77	77.91	15.69	73.24	75.12	65.61	9.51	7.898	
1,500.00	1,500.00	1,494.61	1,492.70	5.15	5.14	77.23	18.24	80.45	82.73	72.50	10.23	8.090	
1,600.00	1,600.00	1,594.32	1,592.12	5.51	5.50	76.66	20.79	87.65	90.34	79.40	10.94	8.257	
1,700.00	1,700.00	1,694.02	1,691.53	5.86	5.87	76.18	23.33	94.86	97.97	86.31	11.66	8.404	
1,800.00	1,800.00	1,793.73	1,790.94	6.22	6.24	75.77	25.88	102.06	105.60	93.22	12.37	8.534	
1,900.00	1,900.00	1,893.44	1,890.35	6.58	6.60	75.42	28.43	109.26	113.23	100.14	13.09	8.650	
2,000.00	2,000.00	1,993.14	1,989.77	6.94	6.97	75.11	30.97	116.47	120.87	107.06	13.81	8.754	

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



Altitude Energy Partners

Anticollision Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 2970.00usft
Reference Site:	Silver Bullet Pad	MD Reference:	KB=28' @ 2970.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Silver Bullet Pad - Silver Bullet 16 W1DM State #2H - OH - Plan #1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD + HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,100.00	2,100.00	2,092.85	2,089.18	7.30	7.34	74.83	33.52	123.67	128.51	113.99	14.52	8.848	
2,200.00	2,200.00	2,192.55	2,188.59	7.66	7.71	74.59	36.07	130.88	136.15	120.91	15.24	8.933	
2,300.00	2,300.00	2,292.26	2,288.00	8.02	8.08	74.38	38.62	138.08	143.80	127.84	15.96	9.011	
2,400.00	2,400.00	2,391.97	2,387.42	8.37	8.45	74.18	41.16	145.28	151.45	134.77	16.68	9.082	
2,500.00	2,500.00	2,491.67	2,486.83	8.73	8.82	74.00	43.71	152.49	159.10	141.70	17.39	9.147	
2,600.00	2,600.00	2,591.38	2,586.24	9.09	9.19	73.84	46.26	159.69	166.75	148.64	18.11	9.207	
2,700.00	2,700.00	2,691.08	2,685.65	9.45	9.56	73.70	48.81	166.90	174.40	155.57	18.83	9.262	
2,800.00	2,800.00	2,790.79	2,785.07	9.81	9.93	73.57	51.35	174.10	182.05	162.50	19.55	9.313	
2,900.00	2,900.00	2,890.49	2,884.48	10.17	10.30	73.44	53.90	181.31	189.71	169.44	20.27	9.361	
3,000.00	2,999.99	2,990.22	2,983.91	10.52	10.67	73.43	56.45	188.51	196.99	176.00	20.98	9.388	
3,028.50	3,028.47	3,018.65	3,012.25	10.63	10.77	73.61	57.18	190.57	198.93	177.74	21.19	9.389	
3,100.00	3,099.94	3,089.96	3,083.36	10.88	11.04	74.17	59.00	195.72	203.73	182.03	21.70	9.389	
3,200.00	3,199.88	3,189.70	3,182.80	11.24	11.41	74.91	61.55	202.93	210.48	188.07	22.42	9.389	
3,300.00	3,299.82	3,289.43	3,282.24	11.60	11.78	75.60	64.09	210.13	217.27	194.13	23.13	9.391	
3,400.00	3,399.77	3,389.17	3,381.69	11.96	12.15	76.25	66.64	217.34	224.08	200.23	23.85	9.394	
3,500.00	3,499.71	3,488.90	3,481.13	12.32	12.52	76.87	69.19	224.54	230.92	206.35	24.57	9.398	
3,600.00	3,599.65	3,588.64	3,580.57	12.67	12.89	77.45	71.74	231.75	237.79	212.50	25.29	9.403	
3,700.00	3,699.60	3,688.38	3,680.01	13.03	13.26	77.99	74.29	238.96	244.68	218.67	26.01	9.408	
3,800.00	3,799.54	3,788.11	3,779.46	13.39	13.63	78.51	76.84	246.16	251.59	224.86	26.73	9.413	
3,900.00	3,899.48	3,887.85	3,878.90	13.75	14.00	79.00	79.38	253.37	258.52	231.07	27.45	9.419	
4,000.00	3,999.43	3,987.58	3,978.34	14.11	14.37	79.46	81.93	260.58	265.47	237.30	28.16	9.425	
4,100.00	4,099.37	4,087.32	4,077.79	14.47	14.74	79.90	84.48	267.78	272.43	243.55	28.88	9.432	
4,200.00	4,199.31	4,187.06	4,177.23	14.83	15.11	80.31	87.03	274.99	279.41	249.80	29.60	9.438	
4,300.00	4,299.26	4,286.79	4,276.67	15.18	15.48	80.71	89.58	282.20	286.40	256.08	30.32	9.445	
4,400.00	4,399.20	4,386.53	4,376.11	15.54	15.85	81.09	92.12	289.40	293.41	262.36	31.04	9.452	
4,500.00	4,499.14	4,486.26	4,475.56	15.90	16.23	81.45	94.67	296.61	300.42	268.66	31.76	9.459	
4,600.00	4,599.09	4,586.00	4,575.00	16.26	16.60	81.79	97.22	303.82	307.45	274.97	32.48	9.465	
4,700.00	4,699.03	4,685.74	4,674.44	16.62	16.97	82.12	99.77	311.02	314.49	281.29	33.20	9.472	
4,800.00	4,798.97	4,785.47	4,773.88	16.98	17.34	82.44	102.32	318.23	321.54	287.62	33.92	9.479	
4,900.00	4,898.92	4,885.21	4,873.33	17.34	17.71	82.74	104.87	325.43	328.60	293.96	34.64	9.486	
5,000.00	4,998.86	4,984.95	4,972.77	17.70	18.08	83.02	107.41	332.64	335.67	300.30	35.36	9.492	
5,100.00	5,098.80	5,084.68	5,072.21	18.05	18.45	83.30	109.96	339.85	342.74	306.66	36.08	9.499	
5,200.00	5,198.75	5,184.42	5,171.66	18.41	18.82	83.56	112.51	347.05	349.83	313.02	36.80	9.505	
5,300.00	5,298.69	5,284.15	5,271.10	18.77	19.19	83.82	115.06	354.26	356.92	319.39	37.52	9.512	
5,400.00	5,398.63	5,383.89	5,370.54	19.13	19.57	84.06	117.61	361.47	364.01	325.77	38.24	9.518	
5,500.00	5,498.58	5,483.63	5,469.98	19.49	19.94	84.30	120.15	368.67	371.11	332.15	38.96	9.524	
5,600.00	5,598.52	5,583.36	5,569.43	19.85	20.31	84.52	122.70	375.88	378.22	338.54	39.69	9.531	
5,700.00	5,698.46	5,683.10	5,668.87	20.21	20.68	84.74	125.25	383.09	385.34	344.93	40.41	9.537	
5,800.00	5,798.41	5,782.83	5,768.31	20.57	21.05	84.95	127.80	390.29	392.46	351.33	41.13	9.543	
5,900.00	5,898.35	5,882.57	5,867.75	20.93	21.42	85.15	130.35	397.50	399.58	357.74	41.85	9.549	
6,000.00	5,998.29	5,982.31	5,967.20	21.29	21.79	85.35	132.90	404.71	406.71	364.15	42.57	9.554	
6,100.00	6,098.24	6,082.04	6,066.64	21.65	22.16	85.54	135.44	411.91	413.85	370.56	43.29	9.560	
6,200.00	6,198.18	6,181.78	6,166.08	22.01	22.53	85.72	137.99	419.12	420.99	376.98	44.01	9.566	
6,300.00	6,298.12	6,281.51	6,265.53	22.37	22.91	85.90	140.54	426.33	428.13	383.40	44.73	9.571	
6,400.00	6,398.07	6,381.25	6,364.97	22.73	23.28	86.07	143.09	433.53	435.28	389.82	45.45	9.577	
6,500.00	6,498.01	6,480.99	6,464.41	23.09	23.65	86.23	145.64	440.74	442.43	396.25	46.17	9.582	
6,600.00	6,597.96	6,580.72	6,563.85	23.45	24.02	86.39	148.18	447.94	449.58	402.69	46.89	9.587	
6,700.00	6,697.90	6,680.46	6,663.30	23.81	24.39	86.55	150.73	455.15	456.74	409.12	47.62	9.592	
6,800.00	6,797.84	6,780.19	6,762.74	24.17	24.76	86.70	153.28	462.36	463.90	415.56	48.34	9.597	
6,900.00	6,897.79	6,879.93	6,862.18	24.53	25.13	86.84	155.83	469.56	471.06	422.00	49.06	9.602	
7,000.00	6,997.73	6,979.67	6,961.62	24.89	25.50	86.98	158.38	476.77	478.23	428.45	49.78	9.607	
7,100.00	7,097.67	7,079.40	7,061.07	25.25	25.88	87.12	160.93	483.98	485.40	434.90	50.50	9.612	

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



Altitude Energy Partners

Anticollision Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 2970.00usft
Reference Site:	Silver Bullet Pad	MD Reference:	KB=28' @ 2970.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Silver Bullet Pad - Silver Bullet 16 W1DM State #2H - OH - Plan #1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD + HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,200.00	7,197.62	7,179.14	7,160.51	25.61	26.25	87.25	163.47	491.18	492.57	441.35	51.22	9.616	
7,300.00	7,297.56	7,278.87	7,259.95	25.96	26.62	87.38	166.02	498.39	499.74	447.80	51.94	9.621	
7,400.00	7,397.50	7,378.61	7,359.40	26.32	26.99	87.51	168.57	505.60	506.92	454.26	52.67	9.625	
7,500.00	7,497.45	7,478.35	7,458.84	26.68	27.36	87.63	171.12	512.80	514.10	460.71	53.39	9.630	
7,600.00	7,597.39	7,578.08	7,558.28	27.04	27.73	87.75	173.67	520.01	521.28	467.17	54.11	9.634	
7,700.00	7,697.33	7,677.82	7,657.72	27.40	28.10	87.86	176.21	527.22	528.47	473.64	54.83	9.638	
7,800.00	7,797.28	7,777.56	7,757.17	27.76	28.47	87.98	178.76	534.42	535.65	480.10	55.55	9.642	
7,900.00	7,897.22	7,877.29	7,856.61	28.12	28.85	88.08	181.31	541.63	542.84	486.57	56.27	9.647	
8,000.00	7,997.16	7,977.03	7,956.05	28.48	29.22	88.19	183.86	548.83	550.03	493.03	56.99	9.651	
8,100.00	8,097.11	8,076.76	8,055.49	28.84	29.59	88.29	186.41	556.04	557.22	499.50	57.72	9.654	
8,200.00	8,197.05	8,176.50	8,154.94	29.20	29.96	88.40	188.96	563.25	564.41	505.98	58.44	9.658	
8,300.00	8,296.99	8,276.24	8,254.38	29.56	30.33	88.49	191.50	570.45	571.61	512.45	59.16	9.662	
8,400.00	8,396.94	8,375.97	8,353.82	29.92	30.70	88.59	194.05	577.66	578.81	518.92	59.88	9.666	
8,500.00	8,496.88	8,475.71	8,453.27	30.28	31.07	88.68	196.60	584.87	586.00	525.40	60.60	9.670	
8,600.00	8,596.82	8,575.44	8,552.71	30.64	31.45	88.78	199.15	592.07	593.20	531.88	61.33	9.673	
8,700.00	8,696.77	8,675.18	8,652.15	31.00	31.82	88.86	201.70	599.28	600.41	538.36	62.05	9.677	
8,800.00	8,796.71	8,774.92	8,751.59	31.36	32.19	88.95	204.24	606.49	607.61	544.84	62.77	9.680	
8,900.00	8,896.65	8,874.65	8,851.04	31.72	32.56	89.04	206.79	613.69	614.81	551.32	63.49	9.684	
9,000.00	8,996.60	8,974.39	8,950.48	32.08	32.93	89.12	209.34	620.90	622.02	557.81	64.21	9.687	
9,100.00	9,096.54	9,074.12	9,049.92	32.44	33.30	89.20	211.89	628.11	629.22	564.29	64.93	9.690	
9,200.00	9,196.48	9,173.86	9,149.37	32.80	33.67	89.28	214.44	635.31	636.43	570.78	65.66	9.693	
9,292.14	9,288.57	9,265.75	9,240.99	33.13	34.02	89.35	216.78	641.95	643.07	576.75	66.32	9.696	
9,300.00	9,296.43	9,273.60	9,248.81	33.16	34.05	89.37	216.99	642.52	643.64	577.26	66.38	9.697	
9,400.00	9,396.41	9,373.33	9,348.25	33.52	34.42	89.42	219.53	649.73	650.87	583.77	67.10	9.700	
9,420.63	9,417.04	9,397.08	9,371.93	33.60	34.51	89.55	220.12	651.39	652.32	585.05	67.27	9.698	
9,450.00	9,446.39	9,432.00	9,406.78	33.69	34.63	-90.41	220.90	653.60	654.19	586.68	67.50	9.691	
9,500.00	9,496.15	9,491.24	9,465.92	33.85	34.85	-90.73	221.98	656.65	656.83	588.95	67.88	9.676	
9,550.00	9,545.31	9,549.84	9,524.48	34.00	35.06	-91.50	222.75	658.82	658.91	590.67	68.24	9.656	
9,600.00	9,593.49	9,607.41	9,582.03	34.14	35.26	-92.70	223.21	660.12	660.60	592.03	68.57	9.634	
9,650.00	9,640.33	9,663.56	9,638.18	34.28	35.46	-94.25	223.38	660.61	662.20	593.32	68.88	9.614	
9,700.00	9,685.47	9,717.72	9,692.28	34.41	35.63	-95.91	221.43	660.55	664.06	594.90	69.15	9.603	
9,750.00	9,728.56	9,774.06	9,748.12	34.53	35.80	-97.57	214.04	660.31	666.31	596.91	69.40	9.601	
9,800.00	9,769.29	9,833.14	9,805.58	34.65	35.98	-99.21	200.45	659.87	668.88	599.28	69.59	9.611	
9,850.00	9,807.33	9,895.18	9,864.08	34.76	36.14	-100.83	179.89	659.21	671.66	601.94	69.72	9.633	
9,900.00	9,842.41	9,960.42	9,922.81	34.88	36.30	-102.40	151.59	658.29	674.54	604.77	69.77	9.668	
9,950.00	9,874.24	10,028.99	9,980.66	34.99	36.44	-103.91	114.86	657.11	677.36	607.63	69.72	9.715	
10,000.00	9,902.60	10,100.97	10,036.20	35.09	36.57	-105.31	69.18	655.63	679.94	610.36	69.58	9.772	
10,050.00	9,927.26	10,176.24	10,087.67	35.20	36.68	-106.58	14.36	653.86	682.12	612.75	69.36	9.834	
10,100.00	9,948.04	10,254.53	10,133.11	35.31	36.78	-107.68	-49.30	651.80	683.69	614.59	69.10	9.894	
10,150.00	9,964.78	10,335.35	10,170.46	35.42	36.87	-108.56	-120.86	649.49	684.51	615.64	68.87	9.939	
10,200.00	9,977.35	10,417.99	10,197.85	35.53	36.98	-109.18	-198.71	646.98	684.43	615.69	68.74	9.957	
10,250.00	9,985.65	10,501.56	10,213.87	35.65	37.13	-109.53	-280.60	644.33	683.37	614.61	68.76	9.939	
10,300.00	9,989.63	10,580.29	10,217.97	35.76	37.30	-109.61	-359.13	641.79	681.34	612.37	68.97	9.879	
10,321.99	9,990.00	10,602.27	10,217.86	35.81	37.36	-109.67	-381.10	641.08	680.51	611.44	69.07	9.853	
10,400.00	9,989.81	10,680.24	10,217.50	36.01	37.57	-109.72	-459.02	638.57	678.08	608.67	69.41	9.769	
10,500.00	9,989.57	10,780.18	10,217.02	36.31	37.89	-109.80	-558.92	635.34	674.96	605.02	69.94	9.651	
10,600.00	9,989.34	10,880.13	10,216.55	36.67	38.26	-109.87	-658.81	632.11	671.84	601.27	70.57	9.520	
10,700.00	9,989.10	10,980.08	10,216.08	37.08	38.67	-109.95	-758.71	628.89	668.73	597.42	71.30	9.379	
10,800.00	9,988.86	11,080.03	10,215.61	37.54	39.13	-110.02	-858.60	625.66	665.61	593.48	72.13	9.228	
10,900.00	9,988.62	11,179.97	10,215.13	38.05	39.64	-110.10	-958.49	622.43	662.50	589.44	73.06	9.068	
11,000.00	9,988.39	11,279.92	10,214.66	38.61	40.18	-110.18	-1,058.39	619.21	659.38	585.32	74.07	8.903	
11,100.00	9,988.15	11,379.87	10,214.19	39.22	40.77	-110.25	-1,158.28	615.98	656.27	581.11	75.16	8.731	

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



Altitude Energy Partners

Anticollision Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 2970.00usft
Reference Site:	Silver Bullet Pad	MD Reference:	KB=28' @ 2970.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design: Sliver Bullet Pad - Silver Bullet 16 W1DM State #2H - OH - Plan #1												Offset Site Error:	0.00 usft
Survey Program:		0-MWD + HDGM		Offset			Rule Assigned:			Offset Well Error:		0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,200.00	9,987.91	11,479.82	10,213.72	39.87	41.40	-110.33	-1,258.18	612.75	653.16	576.82	76.34	8.556	
11,300.00	9,987.67	11,579.76	10,213.24	40.56	42.07	-110.41	-1,358.07	609.52	650.05	572.46	77.60	8.377	
11,400.00	9,987.44	11,679.71	10,212.77	41.28	42.78	-110.49	-1,457.97	606.30	646.95	568.02	78.93	8.197	
11,500.00	9,987.20	11,779.66	10,212.30	42.05	43.52	-110.57	-1,557.86	603.07	643.84	563.51	80.33	8.015	
11,600.00	9,986.96	11,879.61	10,211.83	42.85	44.29	-110.66	-1,657.75	599.84	640.74	558.94	81.79	7.833	
11,700.00	9,986.73	11,979.55	10,211.35	43.69	45.10	-110.74	-1,757.65	596.62	637.63	554.31	83.32	7.653	
11,800.00	9,986.49	12,079.50	10,210.88	44.55	45.94	-110.82	-1,857.54	593.39	634.53	549.62	84.91	7.473	
11,900.00	9,986.25	12,179.45	10,210.41	45.45	46.80	-110.91	-1,957.44	590.16	631.43	544.88	86.55	7.295	
12,000.00	9,986.01	12,279.40	10,209.94	46.37	47.69	-110.99	-2,057.33	586.94	628.33	540.08	88.24	7.120	
12,100.00	9,985.78	12,379.34	10,209.46	47.32	48.61	-111.08	-2,157.23	583.71	625.23	535.24	89.99	6.948	
12,201.99	9,985.53	12,481.28	10,208.98	48.31	49.57	-111.17	-2,259.11	580.42	622.07	530.26	91.81	6.776	
12,300.00	9,985.30	12,579.26	10,208.52	49.29	50.52	-111.21	-2,357.04	577.25	619.82	526.20	93.62	6.621	
12,392.25	9,985.08	12,671.51	10,208.08	50.22	51.43	-111.21	-2,449.23	574.28	619.13	523.76	95.37	6.492	
12,400.00	9,985.06	12,679.26	10,208.05	50.30	51.51	-111.21	-2,456.98	574.03	619.13	523.61	95.52	6.482	
12,500.00	9,984.83	12,779.25	10,207.57	51.32	52.51	-111.15	-2,556.92	570.80	620.07	522.58	97.49	6.360	
12,600.00	9,984.59	12,879.21	10,207.10	52.36	53.54	-111.04	-2,656.82	567.57	622.64	523.13	99.52	6.257	
12,618.93	9,984.55	12,898.13	10,207.01	52.55	53.74	-111.02	-2,675.73	566.96	623.31	523.41	99.91	6.239	
12,700.00	9,984.35	12,979.13	10,206.63	53.40	54.58	-110.89	-2,756.69	564.34	626.31	524.71	101.59	6.165	
12,800.00	9,984.12	13,079.05	10,206.16	54.47	55.65	-110.74	-2,856.56	561.12	630.01	526.30	103.71	6.075	
12,900.00	9,983.88	13,178.96	10,205.68	55.55	56.72	-110.59	-2,956.42	557.89	633.71	527.86	105.85	5.987	
13,000.00	9,983.65	13,278.88	10,205.21	56.65	57.82	-110.45	-3,056.28	554.67	637.42	529.39	108.03	5.900	
13,100.00	9,983.41	13,378.80	10,204.74	57.76	58.93	-110.30	-3,156.15	551.44	641.13	530.90	110.23	5.816	
13,200.00	9,983.17	13,478.72	10,204.27	58.88	60.05	-110.16	-3,256.01	548.21	644.84	532.38	112.47	5.734	
13,300.00	9,982.94	13,578.63	10,203.80	60.02	61.18	-110.01	-3,355.88	544.99	648.56	533.84	114.72	5.653	
13,400.00	9,982.70	13,678.55	10,203.32	61.16	62.33	-109.87	-3,455.74	541.76	652.29	535.28	117.01	5.575	
13,500.00	9,982.46	13,778.47	10,202.85	62.32	63.49	-109.73	-3,555.61	538.54	656.02	536.70	119.31	5.498	
13,600.00	9,982.23	13,878.39	10,202.38	63.49	64.66	-109.59	-3,655.47	535.31	659.75	538.11	121.64	5.424	
13,700.00	9,981.99	13,978.31	10,201.91	64.67	65.83	-109.46	-3,755.34	532.08	663.48	539.49	123.99	5.351	
13,800.00	9,981.75	14,078.22	10,201.43	65.86	67.02	-109.32	-3,855.20	528.86	667.22	540.86	126.36	5.280	
13,900.00	9,981.52	14,178.14	10,200.96	67.06	68.22	-109.19	-3,955.07	525.63	670.96	542.22	128.75	5.212	
14,000.00	9,981.28	14,278.06	10,200.49	68.27	69.43	-109.06	-4,054.93	522.41	674.71	543.56	131.15	5.144	
14,100.00	9,981.05	14,377.98	10,200.02	69.49	70.65	-108.93	-4,154.79	519.18	678.46	544.89	133.57	5.079	
14,200.00	9,980.81	14,477.90	10,199.55	70.71	71.87	-108.80	-4,254.66	515.95	682.21	546.20	136.01	5.016	
14,300.00	9,980.57	14,577.81	10,199.07	71.94	73.10	-108.67	-4,354.52	512.73	685.97	547.50	138.47	4.954	
14,400.00	9,980.34	14,677.73	10,198.60	73.18	74.34	-108.54	-4,454.39	509.50	689.73	548.79	140.94	4.894	
14,500.00	9,980.10	14,777.65	10,198.13	74.42	75.59	-108.42	-4,554.25	506.28	693.49	550.07	143.42	4.835	
14,542.04	9,980.00	14,804.81	10,198.00	74.95	75.93	-108.39	-4,581.40	505.40	695.24	550.88	144.36	4.816 SF	



Altitude Energy Partners

Anticollision Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 2970.00usft
Reference Site:	Silver Bullet Pad	MD Reference:	KB=28' @ 2970.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=28' @ 2970.00usft

Offset Depths are relative to Offset Datum

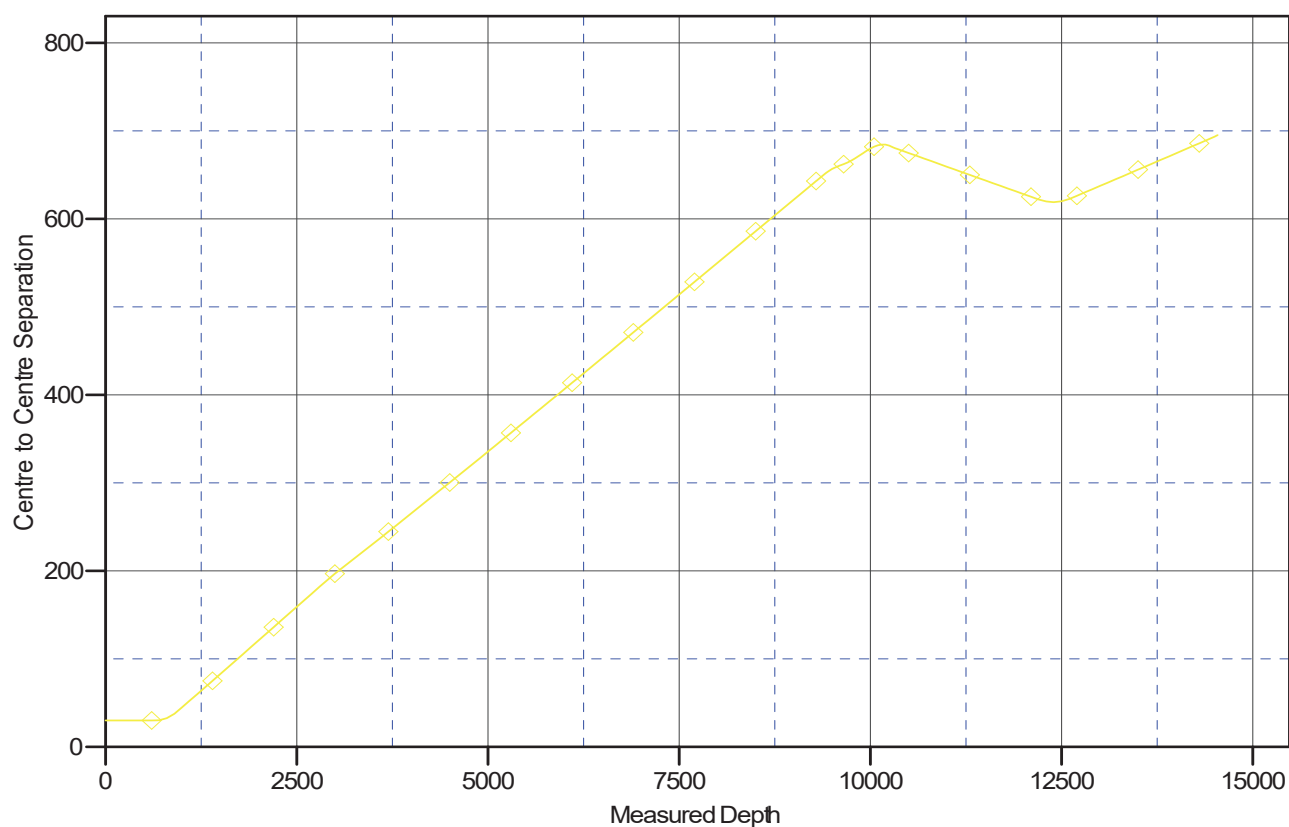
Central Meridian is -104.333334

Coordinates are relative to: Silver Bullet 16 W1DM State #1H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.18°

Ladder Plot



LEGEND

SilverBullet16 W1DMState #2H OH Plan #1 VO



Altitude Energy Partners

Anticollision Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Silver Bullet 16 W1DM State #1H
Project:	Eddy Co., NM (NAD 83)	TVD Reference:	KB=28' @ 2970.00usft
Reference Site:	Silver Bullet Pad	MD Reference:	KB=28' @ 2970.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Silver Bullet 16 W1DM State #1H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.1 Single User Db
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=28' @ 2970.00usft

Offset Depths are relative to Offset Datum

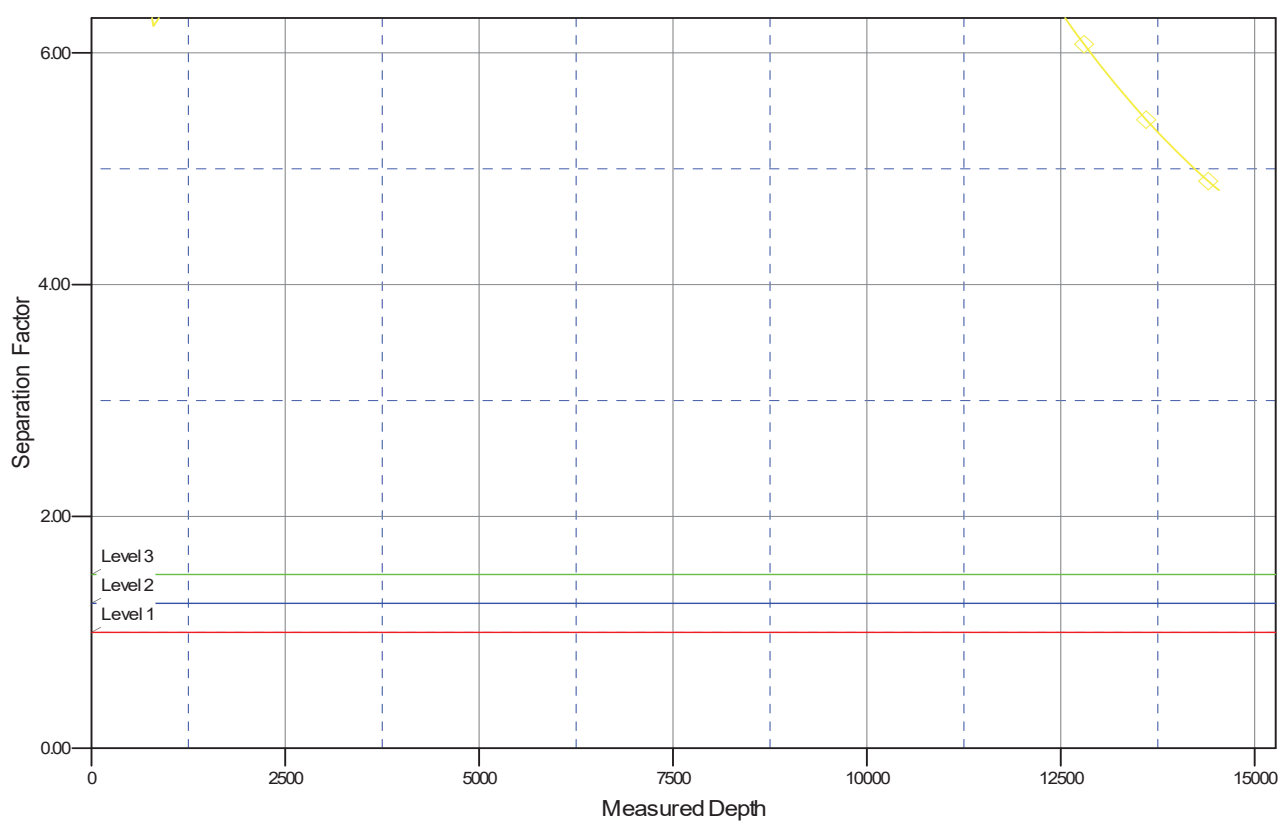
Central Meridian is -104.333334

Coordinates are relative to: Silver Bullet 16 W1DM State #1H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.18°

Separation Factor Plot



LEGEND

SilverBullet16 W1DMState #2H OH Plan #1 V0