

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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 376431

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

1. Operator Name and Address MARSHALL & WINSTON INC P.O. Box 50880 Midland, TX 79710		2. OGRID Number 14187
4. Property Code 313600		3. API Number 30-025-53925
5. Property Name LOOKIN GOOD 34 STATE COM		6. Well No. 502H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	34	20S	35E	A	250	N	1135	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	34	20S	35E	P	50	S	400	E	Lea

9. Pool Information

GRAMA RIDGE;BONE SPRING, NORTH	28434
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3692
16. Multiple N	17. Proposed Depth 15549	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 1/18/2025
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	1954	1305	0
Int1	12.25	9.625	40	5929	945	0
Prod	8.5	5.5	20	15549	2135	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron

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 Sherry Roberts	Approved By: Paul F Kautz
Title: Operations Secretary	Title: Geologist
Email Address: sroberts@mar-win.com	Approved Date: 11/18/2024 Expiration Date: 11/18/2026
Date: 11/7/2024 Phone: 432-684-6373	Conditions of Approval Attached

DISTRICT I
1835 N. FRENCH DR., ROSA, NM 88240
Phone: (505) 899-6181 Fax: (505) 899-0780

DISTRICT II
611 S. FIRST ST., ARTERIA, NM 88210
Phone: (505) 746-1250 Fax: (505) 746-9790

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-8170 Fax: (505) 334-8170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87506
Phone: (505) 476-3480 Fax: (505) 476-3482

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
	28434	Gamma Ridge; Bone Spring, North
Property Code	Property Name	Well Number
	LOOKIN GOOD 34 STATE COM	502H
OGRID No.	Operator Name	Elevation
14187	MARSHALL & WINSTON, INC.	3691.8'

Surface Location

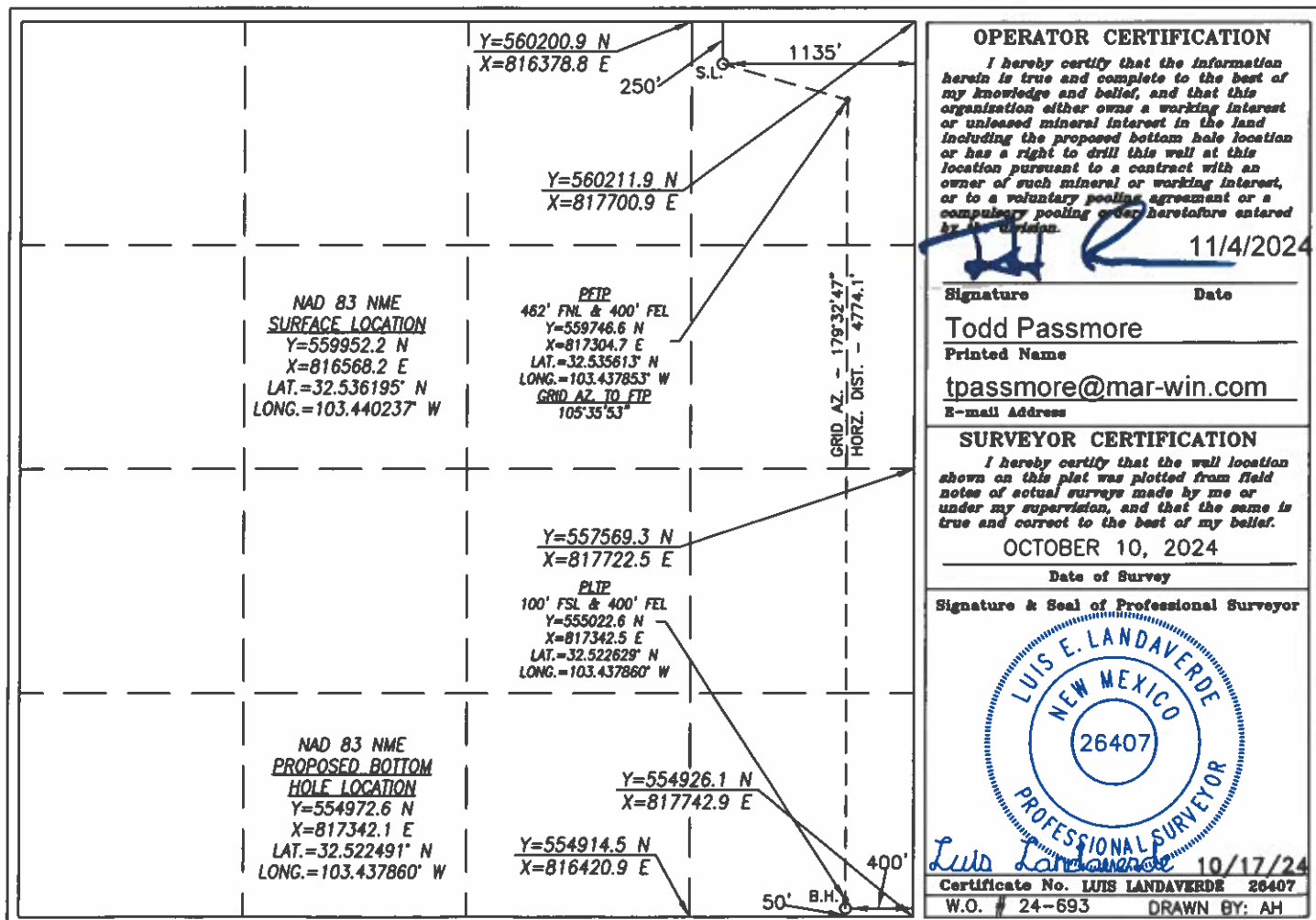
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	34	20-S	35-E		250	NORTH	1135	EAST	LEA

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
P	34	20-S	35-E		50	SOUTH	400	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**



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

Form APD Conditions
Permit 376431

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARSHALL & WINSTON INC [14187] P.O. Box 50880 Midland, TX 79710		API Number: 30-025-53925
		Well: LOOKIN GOOD 34 STATE COM #502H
OCD Reviewer	Condition	
pkautz	File As Drilled C-102 and a directional Survey with C-104 completion packet.	
pkautz	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.	
pkautz	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.	
pkautz	Notify the OCD 24 hours prior to casing & cement.	
pkautz	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.	
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing.	
pkautz	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	

County: Lee County, NM
 Site: Looking Good Pad
 Well: Looking Good 502H
 Depth Reference: 3692+25 @ 3717.00usft (TBD)
 Rig: TBD
 Plan: Prelim 1
 Job #: Prelim



SECTION DETAILS

Sec	MD	Inc	Act	TYD	+N-S	+E-W	Dieg	Trace	Vsct	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
3	4402.88	8.06	74.28	4401.55	7.56	27.22	2.00	74.28	-7.45	Start 5020.60 hold at 4402.88 MD
4	9433.48	8.06	74.28	9382.48	198.71	705.98	2.00	180.00	-183.16	Start Drop -2.00
5	9836.36	0.00	0.00	9784.04	206.37	733.20	2.00	180.00	-200.61	Start 200.00 hold at 9836.36 MD
6	10036.36	0.00	0.00	9984.04	206.37	733.20	0.00	0.00	-200.61	Start 200.00 hold at 10036.36 MD
7	10936.36	90.00	179.55	10557.00	-366.57	737.70	10.00	179.55	372.35	Start 4613.18 hold at 10936.36 MD
8	15549.54	90.00	179.55	10557.00	-4879.60	773.90	0.00	0.00	4885.52	TD at 15549.54

DESIGN TARGETS DETAILS

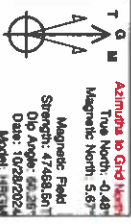
Name	TYD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
LG 502H SHL	0.00	0.00	0.00	55962.26	81658.28	32.536185	-103.460277
LG 502H NP	8784.04	206.37	733.20	560158.57	817301.40	32.538745	-103.437832
LG 502H FTP	10557.00	-206.40	774.30	559746.60	817304.70	32.535913	-103.437853
LG 502H LTP	10557.00	-4879.60	773.90	559022.60	817342.50	32.522029	-103.437859
LG 502H PBHL	10557.00	-4879.60	773.90	554972.60	817342.10	32.522491	-103.437862

FORMATION TOP DETAILS

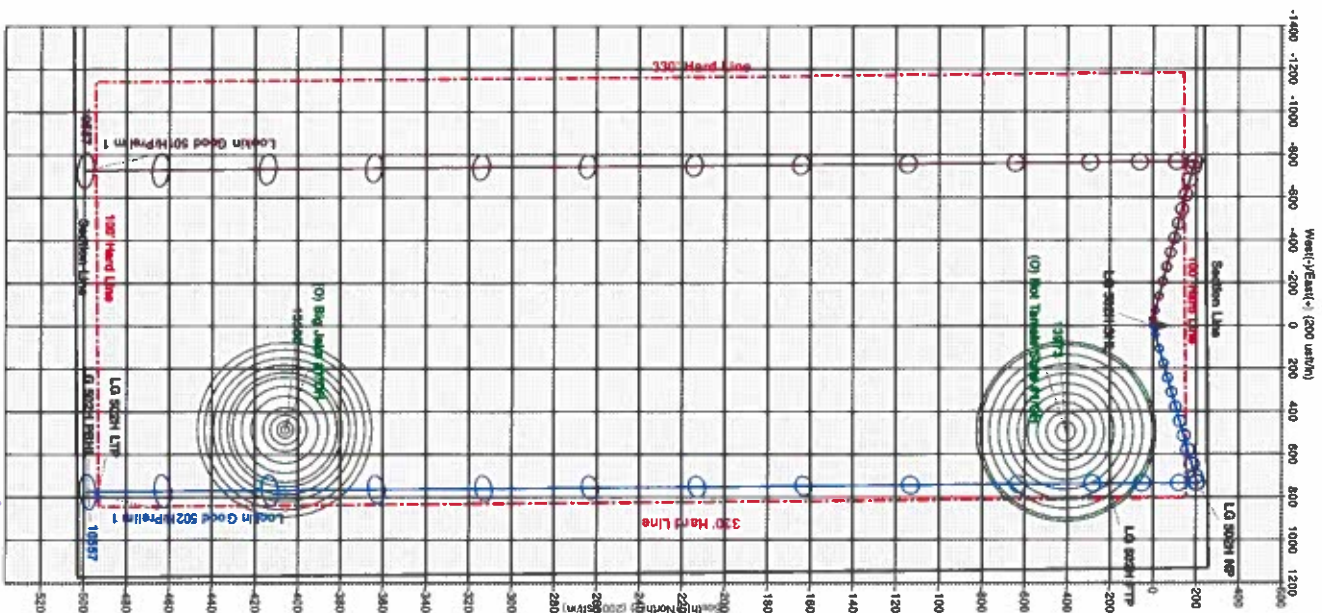
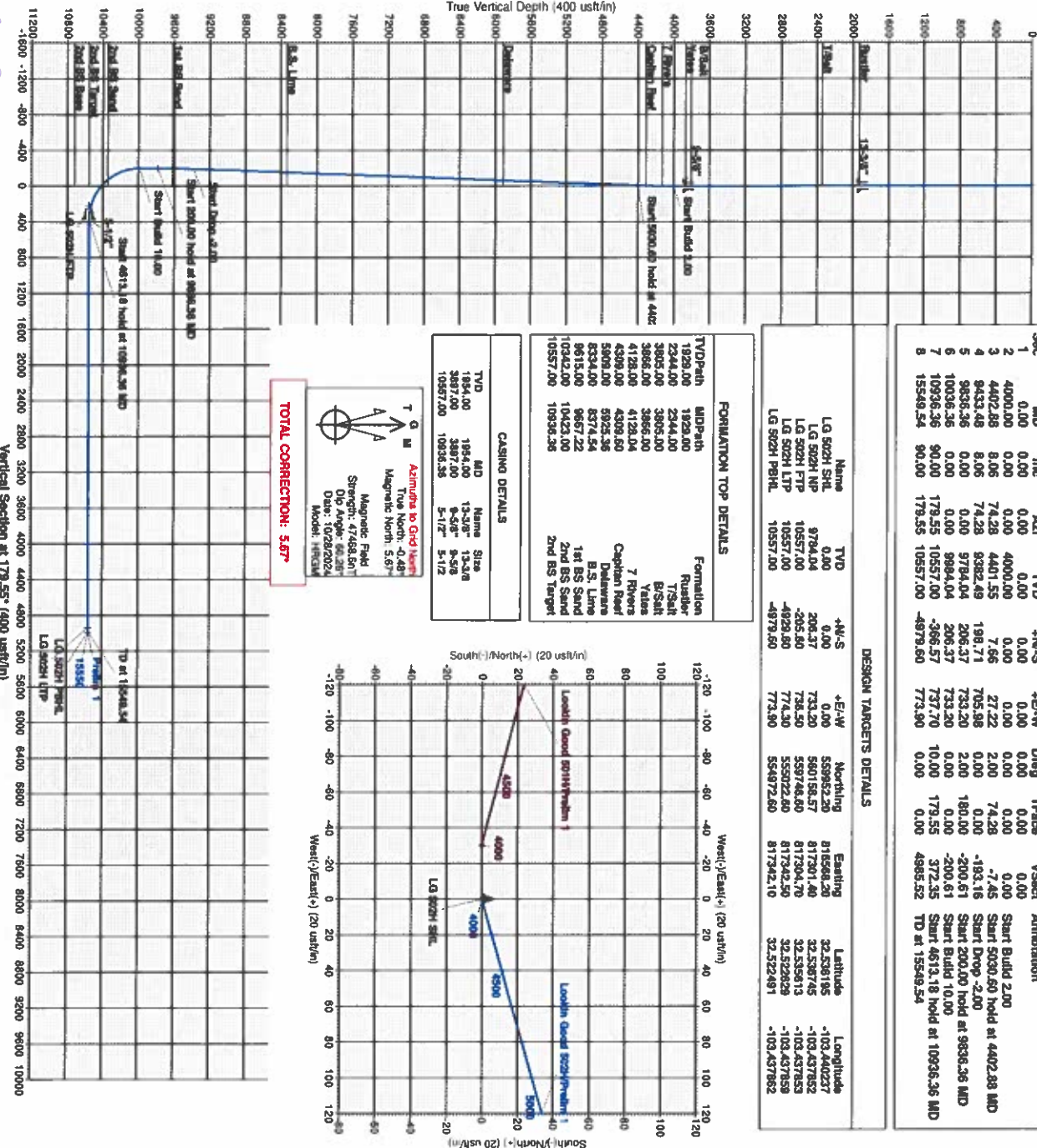
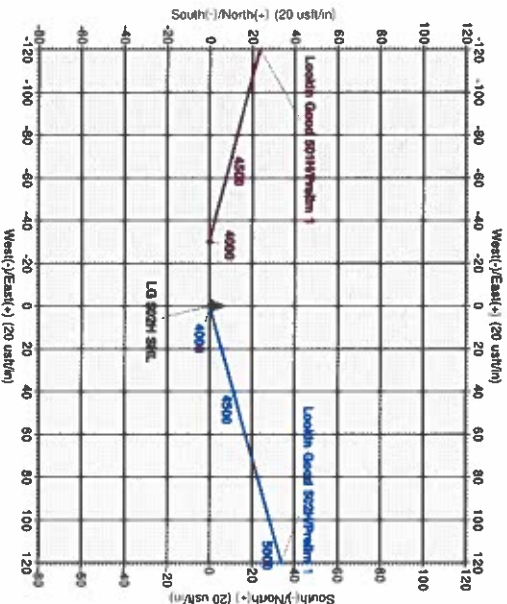
TYD/Path	MD/Path	Formation
1829.00	1829.00	Russett
2344.00	2344.00	T/Salt
3805.00	3805.00	B/Salt
3886.00	3886.00	Valles
4128.00	4128.00	7 Rivers
4399.00	4399.00	Capitan Reef
5309.00	5309.00	Delaware
8334.00	8334.00	B.S. Lime
8615.00	8615.00	1st BS Sand
10423.00	10423.00	2nd BS Sand
10557.00	10557.00	2nd BS Target

CASING DETAILS

TYD	MD	Name	Size
1824.00	1824.00	13-5/8"	13-5/8
3887.00	3887.00	8-5/8"	8-5/8
10557.00	10557.00	5-1/2"	5-1/2



TOTAL CORRECTION: 5.67°



Marshall & Winston, Inc.

**Lea County, NM
Looking Good Pad
Lookin Good 502H**

OH

Plan: Prelim 1

Standard Planning Report

29 October, 2024

SDT
Planning Report

Database:	EDM 5000 Multi User Db	Local Co-ordinate Reference:	Well Lookin Good 502H
Company:	Marshall & Winston, Inc.	TVD Reference:	3692+25 @ 3717.00usft (TBD)
Project:	Lea County, NM	MD Reference:	3692+25 @ 3717.00usft (TBD)
Site:	Looking Good Pad	North Reference:	Grid
Well:	Lookin Good 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim 1		

Project	Lea County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Looking Good Pad				
Site Position:		Northing:	559,952.00 usft	Latitude:	32.536195
From:	Map	Easting:	816,538.20 usft	Longitude:	-103.440335
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Lookin Good 502H					
Well Position	+N/-S	0.00 usft	Northing:	559,952.20 usft	Latitude:	32.536195
	+E/-W	0.00 usft	Easting:	816,568.20 usft	Longitude:	-103.440237
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,692.00 usft
Grid Convergence:	0.48 °					

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	10/28/2024	6.15	60.26	47,468.55206225

Design	Prelim 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	179.55

Plan Survey Tool Program	Date 10/29/2024			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1 0.00	15,549.54	Prelim 1 (OH)	B001Mb_MWD+HRGM	
			OWSG MWD + HRGM	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Bulld 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	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,402.88	8.06	74.28	4,401.55	7.66	27.22	2.00	2.00	0.00	74.28	
9,433.48	8.06	74.28	9,382.49	198.71	705.98	0.00	0.00	0.00	0.00	
9,836.36	0.00	0.00	9,784.04	206.37	733.20	2.00	-2.00	0.00	180.00	LG 502H NP
10,036.36	0.00	0.00	9,984.04	206.37	733.20	0.00	0.00	0.00	0.00	
10,936.36	90.00	179.55	10,557.00	-366.57	737.70	10.00	10.00	0.00	179.55	
15,549.54	90.00	179.55	10,557.00	-4,979.60	773.90	0.00	0.00	0.00	0.00	LG 502H PBHL

SDT
Planning Report

Database:	EDM 5000 Multi User Db	Local Co-ordinate Reference:	Well Lookin Good 502H
Company:	Marshall & Winston, Inc.	TVD Reference:	3692+25 @ 3717.00usft (TBD)
Project:	Lea County, NM	MD Reference:	3692+25 @ 3717.00usft (TBD)
Site:	Looking Good Pad	North Reference:	Grid
Well:	Lookin Good 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
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
1,929.00	0.00	0.00	1,929.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
2,344.00	0.00	0.00	2,344.00	0.00	0.00	0.00	0.00	0.00	0.00
T/Salt									
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
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,805.00	0.00	0.00	3,805.00	0.00	0.00	0.00	0.00	0.00	0.00
B/Salt									
3,866.00	0.00	0.00	3,866.00	0.00	0.00	0.00	0.00	0.00	0.00
Yates									
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
4,100.00	2.00	74.28	4,099.98	0.47	1.68	-0.46	2.00	2.00	0.00
4,128.04	2.56	74.28	4,128.00	0.78	2.75	-0.75	2.00	2.00	0.00
7 Rivers									

SDT
Planning Report

Database:	EDM 5000 Multi User Db	Local Co-ordinate Reference:	Well Lookin Good 502H
Company:	Marshall & Winston, Inc.	TVD Reference:	3692+25 @ 3717.00usft (TBD)
Project:	Lea County, NM	MD Reference:	3692+25 @ 3717.00usft (TBD)
Site:	Looking Good Pad	North Reference:	Grid
Well:	Lookin Good 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,200.00	4.00	74.28	4,199.84	1.89	6.72	-1.84	2.00	2.00	0.00
4,300.00	6.00	74.28	4,299.45	4.25	15.11	-4.13	2.00	2.00	0.00
4,309.60	6.19	74.28	4,309.00	4.53	16.09	-4.40	2.00	2.00	0.00
Capitan Reef									
4,402.88	8.06	74.28	4,401.55	7.66	27.22	-7.45	2.00	2.00	0.00
Start 5030.60 hold at 4402.88 MD									
4,500.00	8.06	74.28	4,497.71	11.35	40.33	-11.03	0.00	0.00	0.00
4,600.00	8.06	74.28	4,596.73	15.15	53.82	-14.73	0.00	0.00	0.00
4,700.00	8.06	74.28	4,695.74	18.95	67.31	-18.42	0.00	0.00	0.00
4,800.00	8.06	74.28	4,794.75	22.74	80.81	-22.11	0.00	0.00	0.00
4,900.00	8.06	74.28	4,893.77	26.54	94.30	-25.80	0.00	0.00	0.00
5,000.00	8.06	74.28	4,992.78	30.34	107.79	-29.49	0.00	0.00	0.00
5,100.00	8.06	74.28	5,091.79	34.14	121.28	-33.18	0.00	0.00	0.00
5,200.00	8.06	74.28	5,190.80	37.94	134.78	-36.88	0.00	0.00	0.00
5,300.00	8.06	74.28	5,289.82	41.73	148.27	-40.57	0.00	0.00	0.00
5,400.00	8.06	74.28	5,388.83	45.53	161.76	-44.26	0.00	0.00	0.00
5,500.00	8.06	74.28	5,487.84	49.33	175.25	-47.95	0.00	0.00	0.00
5,600.00	8.06	74.28	5,586.86	53.13	188.75	-51.64	0.00	0.00	0.00
5,700.00	8.06	74.28	5,685.87	56.92	202.24	-55.33	0.00	0.00	0.00
5,800.00	8.06	74.28	5,784.88	60.72	215.73	-59.03	0.00	0.00	0.00
5,900.00	8.06	74.28	5,883.89	64.52	229.22	-62.72	0.00	0.00	0.00
5,925.36	8.06	74.28	5,909.00	65.48	232.65	-63.65	0.00	0.00	0.00
Delaware									
6,000.00	8.06	74.28	5,982.91	68.32	242.72	-66.41	0.00	0.00	0.00
6,100.00	8.06	74.28	6,081.92	72.11	256.21	-70.10	0.00	0.00	0.00
6,200.00	8.06	74.28	6,180.93	75.91	269.70	-73.79	0.00	0.00	0.00
6,300.00	8.06	74.28	6,279.94	79.71	283.19	-77.48	0.00	0.00	0.00
6,400.00	8.06	74.28	6,378.96	83.51	296.69	-81.18	0.00	0.00	0.00
6,500.00	8.06	74.28	6,477.97	87.31	310.18	-84.87	0.00	0.00	0.00
6,600.00	8.06	74.28	6,576.98	91.10	323.67	-88.56	0.00	0.00	0.00
6,700.00	8.06	74.28	6,676.00	94.90	337.16	-92.25	0.00	0.00	0.00
6,800.00	8.06	74.28	6,775.01	98.70	350.66	-95.94	0.00	0.00	0.00
6,900.00	8.06	74.28	6,874.02	102.50	364.15	-99.63	0.00	0.00	0.00
7,000.00	8.06	74.28	6,973.03	106.29	377.64	-103.33	0.00	0.00	0.00
7,100.00	8.06	74.28	7,072.05	110.09	391.13	-107.02	0.00	0.00	0.00
7,200.00	8.06	74.28	7,171.06	113.89	404.63	-110.71	0.00	0.00	0.00
7,300.00	8.06	74.28	7,270.07	117.69	418.12	-114.40	0.00	0.00	0.00
7,400.00	8.06	74.28	7,369.09	121.49	431.61	-118.09	0.00	0.00	0.00
7,500.00	8.06	74.28	7,468.10	125.28	445.10	-121.78	0.00	0.00	0.00
7,600.00	8.06	74.28	7,567.11	129.08	458.60	-125.48	0.00	0.00	0.00
7,700.00	8.06	74.28	7,666.12	132.88	472.09	-129.17	0.00	0.00	0.00
7,800.00	8.06	74.28	7,765.14	136.68	485.58	-132.86	0.00	0.00	0.00
7,900.00	8.06	74.28	7,864.15	140.47	499.07	-136.55	0.00	0.00	0.00
8,000.00	8.06	74.28	7,963.16	144.27	512.57	-140.24	0.00	0.00	0.00
8,100.00	8.06	74.28	8,062.17	148.07	526.06	-143.93	0.00	0.00	0.00
8,200.00	8.06	74.28	8,161.19	151.87	539.55	-147.63	0.00	0.00	0.00
8,300.00	8.06	74.28	8,260.20	155.67	553.04	-151.32	0.00	0.00	0.00
8,374.54	8.06	74.28	8,334.00	158.50	563.10	-154.07	0.00	0.00	0.00
B.S. Lime									
8,400.00	8.06	74.28	8,359.21	159.46	566.54	-155.01	0.00	0.00	0.00
8,500.00	8.06	74.28	8,458.23	163.26	580.03	-158.70	0.00	0.00	0.00
8,600.00	8.06	74.28	8,557.24	167.06	593.52	-162.39	0.00	0.00	0.00
8,700.00	8.06	74.28	8,656.25	170.86	607.01	-166.08	0.00	0.00	0.00

SDT
Planning Report

Database:	EDM 5000 Multi User Db	Local Co-ordinate Reference:	Well Lookin Good 502H
Company:	Marshall & Winston, Inc.	TVD Reference:	3692+25 @ 3717.00usft (TBD)
Project:	Lea County, NM	MD Reference:	3692+25 @ 3717.00usft (TBD)
Site:	Looking Good Pad	North Reference:	Grid
Well:	Lookin Good 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim 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)
8,800.00	8.06	74.28	8,755.26	174.65	620.51	-169.78	0.00	0.00	0.00
8,900.00	8.06	74.28	8,854.28	178.45	634.00	-173.47	0.00	0.00	0.00
9,000.00	8.06	74.28	8,953.29	182.25	647.49	-177.16	0.00	0.00	0.00
9,100.00	8.06	74.28	9,052.30	186.05	660.98	-180.85	0.00	0.00	0.00
9,200.00	8.06	74.28	9,151.31	189.84	674.48	-184.54	0.00	0.00	0.00
9,300.00	8.06	74.28	9,250.33	193.64	687.97	-188.23	0.00	0.00	0.00
9,400.00	8.06	74.28	9,349.34	197.44	701.46	-191.92	0.00	0.00	0.00
9,433.48	8.06	74.28	9,382.49	198.71	705.98	-193.16	0.00	0.00	0.00
Start Drop -2.00									
9,500.00	6.73	74.28	9,448.46	201.03	714.22	-195.41	2.00	-2.00	0.00
9,600.00	4.73	74.28	9,547.95	203.73	723.82	-198.04	2.00	-2.00	0.00
9,667.22	3.38	74.28	9,615.00	205.02	728.40	-199.29	2.00	-2.00	0.00
1st BS Sand									
9,700.00	2.73	74.28	9,647.73	205.50	730.08	-199.76	2.00	-2.00	0.00
9,800.00	0.73	74.28	9,747.68	206.31	732.98	-200.55	2.00	-2.00	0.00
9,836.36	0.00	0.00	9,784.04	206.37	733.20	-200.61	2.00	-2.00	0.00
Start 200.00 hold at 9836.36 MD									
9,900.00	0.00	0.00	9,847.68	206.37	733.20	-200.61	0.00	0.00	0.00
10,000.00	0.00	0.00	9,947.68	206.37	733.20	-200.61	0.00	0.00	0.00
10,036.36	0.00	0.00	9,984.04	206.37	733.20	-200.61	0.00	0.00	0.00
Start Build 10.00									
10,050.00	1.36	179.55	9,997.68	206.21	733.20	-200.45	10.00	10.00	0.00
10,100.00	6.36	179.55	10,047.55	202.84	733.23	-197.08	10.00	10.00	0.00
10,150.00	11.36	179.55	10,096.94	195.14	733.29	-189.38	10.00	10.00	0.00
10,200.00	16.36	179.55	10,145.47	183.17	733.39	-177.40	10.00	10.00	0.00
10,250.00	21.36	179.55	10,192.77	167.00	733.51	-161.24	10.00	10.00	0.00
10,300.00	26.36	179.55	10,238.48	146.78	733.67	-141.02	10.00	10.00	0.00
10,350.00	31.36	179.55	10,282.25	122.65	733.88	-116.89	10.00	10.00	0.00
10,400.00	36.36	179.55	10,323.76	94.80	734.08	-89.03	10.00	10.00	0.00
10,423.00	38.66	179.55	10,342.00	80.80	734.19	-75.03	10.00	10.00	0.00
2nd BS Sand									
10,450.00	41.36	179.55	10,362.68	63.44	734.33	-57.67	10.00	10.00	0.00
10,500.00	46.36	179.55	10,398.71	28.80	734.60	-23.03	10.00	10.00	0.00
10,550.00	51.36	179.55	10,431.60	-8.84	734.89	14.61	10.00	10.00	0.00
10,600.00	56.36	179.55	10,461.07	-49.21	735.21	54.98	10.00	10.00	0.00
10,650.00	61.36	179.55	10,486.92	-91.99	735.54	97.76	10.00	10.00	0.00
10,700.00	66.36	179.55	10,508.94	-136.86	735.90	142.64	10.00	10.00	0.00
10,750.00	71.36	179.55	10,526.96	-183.48	736.26	189.26	10.00	10.00	0.00
10,800.00	76.36	179.55	10,540.85	-231.49	736.64	237.27	10.00	10.00	0.00
10,850.00	81.36	179.55	10,550.50	-280.54	737.02	286.32	10.00	10.00	0.00
10,900.00	86.36	179.55	10,555.85	-330.23	737.41	336.01	10.00	10.00	0.00
10,936.36	90.00	179.55	10,557.00	-366.57	737.70	372.35	10.00	10.00	0.00
Start 4613.18 hold at 10936.36 MD - 2nd BS Target									
11,000.00	90.00	179.55	10,557.00	-430.20	738.20	435.99	0.00	0.00	0.00
11,100.00	90.00	179.55	10,557.00	-530.20	738.98	535.99	0.00	0.00	0.00
11,200.00	90.00	179.55	10,557.00	-630.20	739.77	635.99	0.00	0.00	0.00
11,300.00	90.00	179.55	10,557.00	-730.20	740.55	735.99	0.00	0.00	0.00
11,400.00	90.00	179.55	10,557.00	-830.19	741.34	835.99	0.00	0.00	0.00
11,500.00	90.00	179.55	10,557.00	-930.19	742.12	935.99	0.00	0.00	0.00
11,600.00	90.00	179.55	10,557.00	-1,030.19	742.91	1,035.99	0.00	0.00	0.00
11,700.00	90.00	179.55	10,557.00	-1,130.18	743.69	1,135.99	0.00	0.00	0.00
11,800.00	90.00	179.55	10,557.00	-1,230.18	744.48	1,235.99	0.00	0.00	0.00
11,900.00	90.00	179.55	10,557.00	-1,330.18	745.26	1,335.99	0.00	0.00	0.00

SDT
Planning Report

Database:	EDM 5000 Multi User Db	Local Co-ordinate Reference:	Well Lookin Good 502H
Company:	Marshall & Winston, Inc.	TVD Reference:	3692+25 @ 3717.00usft (TBD)
Project:	Lea County, NM	MD Reference:	3692+25 @ 3717.00usft (TBD)
Site:	Looking Good Pad	North Reference:	Grid
Well:	Lookin Good 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim 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)
12,000.00	90.00	179.55	10,557.00	-1,430.17	746.05	1,435.99	0.00	0.00	0.00
12,100.00	90.00	179.55	10,557.00	-1,530.17	746.83	1,535.99	0.00	0.00	0.00
12,200.00	90.00	179.55	10,557.00	-1,630.17	747.62	1,635.99	0.00	0.00	0.00
12,300.00	90.00	179.55	10,557.00	-1,730.16	748.40	1,735.99	0.00	0.00	0.00
12,400.00	90.00	179.55	10,557.00	-1,830.16	749.19	1,835.99	0.00	0.00	0.00
12,500.00	90.00	179.55	10,557.00	-1,930.16	749.97	1,935.99	0.00	0.00	0.00
12,600.00	90.00	179.55	10,557.00	-2,030.16	750.75	2,035.99	0.00	0.00	0.00
12,700.00	90.00	179.55	10,557.00	-2,130.15	751.54	2,135.99	0.00	0.00	0.00
12,800.00	90.00	179.55	10,557.00	-2,230.15	752.32	2,235.99	0.00	0.00	0.00
12,900.00	90.00	179.55	10,557.00	-2,330.15	753.11	2,335.99	0.00	0.00	0.00
13,000.00	90.00	179.55	10,557.00	-2,430.14	753.89	2,435.99	0.00	0.00	0.00
13,100.00	90.00	179.55	10,557.00	-2,530.14	754.68	2,535.99	0.00	0.00	0.00
13,200.00	90.00	179.55	10,557.00	-2,630.14	755.46	2,635.99	0.00	0.00	0.00
13,300.00	90.00	179.55	10,557.00	-2,730.13	756.25	2,735.99	0.00	0.00	0.00
13,400.00	90.00	179.55	10,557.00	-2,830.13	757.03	2,835.99	0.00	0.00	0.00
13,500.00	90.00	179.55	10,557.00	-2,930.13	757.82	2,935.99	0.00	0.00	0.00
13,600.00	90.00	179.55	10,557.00	-3,030.12	758.60	3,035.99	0.00	0.00	0.00
13,700.00	90.00	179.55	10,557.00	-3,130.12	759.39	3,135.99	0.00	0.00	0.00
13,800.00	90.00	179.55	10,557.00	-3,230.12	760.17	3,235.99	0.00	0.00	0.00
13,900.00	90.00	179.55	10,557.00	-3,330.12	760.96	3,335.99	0.00	0.00	0.00
14,000.00	90.00	179.55	10,557.00	-3,430.11	761.74	3,435.99	0.00	0.00	0.00
14,100.00	90.00	179.55	10,557.00	-3,530.11	762.53	3,535.99	0.00	0.00	0.00
14,200.00	90.00	179.55	10,557.00	-3,630.11	763.31	3,635.99	0.00	0.00	0.00
14,300.00	90.00	179.55	10,557.00	-3,730.10	764.09	3,735.99	0.00	0.00	0.00
14,400.00	90.00	179.55	10,557.00	-3,830.10	764.88	3,835.99	0.00	0.00	0.00
14,500.00	90.00	179.55	10,557.00	-3,930.10	765.66	3,935.99	0.00	0.00	0.00
14,600.00	90.00	179.55	10,557.00	-4,030.09	766.45	4,035.99	0.00	0.00	0.00
14,700.00	90.00	179.55	10,557.00	-4,130.09	767.23	4,135.99	0.00	0.00	0.00
14,800.00	90.00	179.55	10,557.00	-4,230.09	768.02	4,235.99	0.00	0.00	0.00
14,900.00	90.00	179.55	10,557.00	-4,330.08	768.80	4,335.99	0.00	0.00	0.00
15,000.00	90.00	179.55	10,557.00	-4,430.08	769.59	4,435.99	0.00	0.00	0.00
15,100.00	90.00	179.55	10,557.00	-4,530.08	770.37	4,535.99	0.00	0.00	0.00
15,200.00	90.00	179.55	10,557.00	-4,630.08	771.16	4,635.99	0.00	0.00	0.00
15,300.00	90.00	179.55	10,557.00	-4,730.07	771.94	4,735.99	0.00	0.00	0.00
15,400.00	90.00	179.55	10,557.00	-4,830.07	772.73	4,835.99	0.00	0.00	0.00
15,500.00	90.00	179.55	10,557.00	-4,930.07	773.51	4,935.99	0.00	0.00	0.00
15,549.54	90.00	179.55	10,557.00	-4,979.60	773.90	4,985.52	0.00	0.00	0.00
TD at 15549.54									

SDT
Planning Report

Database:	EDM 5000 Multi User Db	Local Co-ordinate Reference:	Well Lookin Good 502H
Company:	Marshall & Winston, Inc.	TVD Reference:	3692+25 @ 3717.00usft (TBD)
Project:	Lea County, NM	MD Reference:	3692+25 @ 3717.00usft (TBD)
Site:	Looking Good Pad	North Reference:	Grid
Well:	Lookin Good 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim 1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
LG 502H SHL	0.00	0.00	0.00	0.00	0.00	559,952.20	816,568.20	32.538195	-103.440237
- plan hits target center									
- Point									
LG 502H NP	0.00	0.00	9,784.04	206.37	733.20	560,158.58	817,301.40	32.536745	-103.437853
- plan hits target center									
- Point									
LG 502H LTP	0.00	0.00	10,557.00	-4,929.60	774.30	555,022.60	817,342.50	32.522629	-103.437859
- plan misses target center by 0.79usft at 15499.54usft MD (10557.00 TVD, -4929 61 N, 773.51 E)									
- Point									
LG 502H PBHL	0.00	0.00	10,557.00	-4,979.60	773.90	554,972.60	817,342.10	32.522491	-103.437862
- plan hits target center									
- Point									
LG 502H FTP	0.00	0.00	10,557.00	-205.60	736.50	559,746.60	817,304.70	32.535613	-103.437853
- plan misses target center by 22.18usft at 10779.61usft MD (10535.69 TVD, -211.77 N, 736.48 E)									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(usft)	(usft)		(")	(")	
1,954.00	1,954.00	13-3/8"	13-3/8	17-1/2	
3,897.00	3,897.00	9-5/8"	9-5/8	12-1/4	
10,936.36	10,557.00	5-1/2"	5-1/2	5-1/2	

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
1,929.00	1,929.00	Rustler				
2,344.00	2,344.00	T/Salt				
3,805.00	3,805.00	B/Salt				
3,866.00	3,866.00	Yates				
4,128.04	4,128.00	7 Rivers				
4,309.60	4,309.00	Capitan Reef				
5,925.36	5,909.00	Delaware				
8,374.54	8,334.00	B.S. Lime				
9,667.22	9,615.00	1st BS Sand				
10,423.00	10,342.00	2nd BS Sand				
10,936.36	10,557.00	2nd BS Target				

SDT
Planning Report

Database:	EDM 5000 Multi User Db	Local Co-ordinate Reference:	Well Lookin Good 502H
Company:	Marshall & Winston, Inc.	TVD Reference:	3692+25 @ 3717.00usft (TBD)
Project:	Lea County, NM	MD Reference:	3692+25 @ 3717.00usft (TBD)
Site:	Looking Good Pad	North Reference:	Grid
Well:	Lookin Good 502H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim 1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,000.00	4,000.00	0.00	0.00	Start Build 2.00
4,402.88	4,401.55	7.66	27.22	Start 5030.60 hold at 4402.88 MD
9,433.48	9,382.49	198.71	705.98	Start Drop -2.00
9,836.36	9,784.04	206.37	733.20	Start 200.00 hold at 9836.36 MD
10,036.36	9,984.04	206.37	733.20	Start Build 10.00
10,936.36	10,557.00	-366.57	737.70	Start 4613.18 hold at 10936.36 MD
15,549.54	10,557.00	-4,979.60	773.90	TD at 15549.54



Intent

As Drilled

API #			
Operator Name: MARSHALL & WINSTON, INC		Property Name: LOOKIN GOOD 34 STATE COM	Well Number 502H

Kick Off Point (KOP)

UL A	Section 34	Township 20-S	Range 35-E	Lot	Feet 48	From N/S NORTH	Feet 372	From E/W EAST	County LEA
Latitude 32.53662127					Longitude -103.43745786			NAD NAD 83 NME	

First Take Point (FTP)

UL A	Section 34	Township 20-S	Range 35-E	Lot	Feet 462	From N/S NORTH	Feet 400.00	From E/W EAST	County LEA
Latitude 32.535613					Longitude -103.43785			NAD NAD 83 NME	

Last Take Point (LTP)

UL P	Section 34	Township 20-S	Range 35-E	Lot	Feet 100	From N/S SOUTH	Feet 400.00	From E/W EAST	County
Latitude 32.522629					Longitude -103.437860			NAD NAD 83 NME	

Is this well the defining well for the Horizontal Spacing Unit? NO ☐Is this well an infill well? ☐ NO

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

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: Marshall & Winston, Inc. **OGRID:** 14187 **Date:** 10 / 23 / 2024

II. Type: ☒ 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
Lookin Good 34 State Com 502H		UL A, Sec 34	250 FNL	750	750	1000
		T20S, R35E	1135 FEL			

IV. Central Delivery Point Name: Lookin Good East CTB [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
Lookin Good 34 State Com 502H		<u>1/18/25</u>	<u>2/18/25</u>	<u>3/21/25</u>	<u>5/1/25</u>	<u>5/1/25</u>
						<u>Estimated</u>

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

VII. Operational Practices: ☒ 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: ☒ 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:

☒ 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.

Marshall & Winston, Inc.

Natural Gas Management Plan ~ Attachment

- VI. Marshall & Winston, Inc. (M&W) engineering staff will utilize separation equipment based on capacities suggested by the manufacturer in conjunction with anticipated daily production rates. Engineered design of the VRU system along with pipe sizing will be verified by COMM Engineering Services to ensure maximum efficiency for anticipated volumes.
- VII. M&W will take the following actions to comply with the regulations listed in 19.15.28.8:
- A. M&W plans to efficiently recover natural gas by minimizing waste gas as defined in 19.15.2 NMAC. M&W will ensure each new well drilled and completed is connected to a natural gas gathering system before the well is on line. If the natural gas gathering infrastructure is not in place the well will be delayed or shut in until the gathering system is available.
 - B. Drilling operations are equipped with a flare located at least 100 ft from the wellbore. The flare will be used to combust any gas the is circulated to surface during drilling operations. Estimated volumes will be reported appropriately.
 - C. During completion operations and natural gas brought to surface will be flared. Following completion operations all fluids and gases flowed/pumped from the well will be directed to designed separation equipment at the central tank battery. All natural gas will be sent directly to the sales line. If the initial gas production does not meet gathering sales line specifications it will be flared for no more than 60 days. Gas analysis will be ran twice a week and once gas meets sales specifications the gas will be sent to the sales line. Flared volumes will be reported accordingly.
 - D. M&W will not flare natural gas unless it follows the provisions and exceptions list in 19.15.27.8. If the gas gathering system is unavailable each well(s) will be shut in the gathering system is back in service.
 - E. M&W will comply with required standards listed in 19.5.27.8 A-F.
 - F. The volume of natural gas that is vented or flared as a result of a malfunction or emergency during operations will be estimated and reported accordingly. The volume of natural gas that is vented, flared or used beneficially during production operations will measured or estimated. M&W will install meters to measure the volume of natural gas flared from the facility. Measuring devices will conform to industry stands as well as NMOCD regulations.
- VIII. During maintenance operations that involve separation equipment venting will controlled by shutting in well(s). During VRU maintenance operations natural gas will be diverted to the flare to avoid venting the natural gas.

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:	
Printed Name:	Todd Passmore
Title:	Operations Manager
E-mail Address:	tpassmore@mar-win.com
Date:	10/24/24
Phone:	432-684-6373
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	