

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Marshall & Winston, Inc. P. O. Box 50880 Midland, TX 79710-0880		² OGRID Number 14187
		³ Reason for Filing Code/ Effective Date NW/11-2021
⁴ API Number 30 - M 005-64341	⁵ Pool Name Round Tank; San Andres	⁶ Pool Code 52770
⁷ Property Code 326248	⁸ Property Name Greasewood Federal	⁹ Well Number 3H

II. ¹⁰ Surface Location

UL or lot no. P	Section 12	Township 15S	Range 28E	Lot Idn	Feet from the 600	North/South Line South	Feet from the 400	East/West line East	County Chaves
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	------------------

¹¹ Bottom Hole Location

UL or lot no. P	Section 13	Township 15S	Range 28E	Lot Idn	Feet from the 20	North/South line South	Feet from the 404	East/West line East	County Chaves
--------------------	---------------	-----------------	--------------	---------	---------------------	---------------------------	----------------------	------------------------	------------------

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
-----------------------------	---	--------------------------------------	-----------------------------------	------------------------------------	-------------------------------------

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278421	Holly Transportation 1602 W. Main Artesia, NM 88210	O
221115	Frontier Field Services, LLC 2002 Timberloch Place, Suite 110 The Woodlands, TX 77380	G

IV. Well Completion Data

²¹ Spud Date 05/20/21	²² Ready Date 10/18/21	²³ TD 8668'	²⁴ PBTD 8615'	²⁵ Perforations 3451-8588'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	231'	380 - circ		
12 1/4"	9 5/8"	1247'	370 - circ		
8 3/4"	7 5/8"	3494.20'	300 - circ		
6 1/4"	5 1/2"	8665'	620 - circ		

V. Well Test Data

³¹ Date New Oil 11/02/21	³² Gas Delivery Date 11/02/21	³³ Test Date 11/02/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 150	³⁶ Csg. Pressure 60
³⁷ Choke Size	³⁸ Oil 92	³⁹ Water 2786	⁴⁰ Gas 50		⁴¹ Test Method P

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 	OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ Title: PETROLEUM SPECIALIST Approval Date: 7/12/2022
Printed name: Todd Passmore Title: Operations Manager E-mail Address: tpassmore@mar-win.com Date: 01/10/2022	Phone: 432-684-6373

DISTRICT I
1685 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0730

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-0720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-8178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 478-3400 Fax: (505) 478-3402

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 30-005-64341		Pool Code 52770	Pool Name Round Tank; San Andres
Property Code 326248	Property Name GREASEWOOD FEDERAL		Well Number 3H
OGRID No. 14187	Operator Name MARSHALL & WINSTON INC.		Elevation 3718.2'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	15-S	28-E		600	SOUTH	400	EAST	CHAVES

Bottom Hole Location If Different From Surface

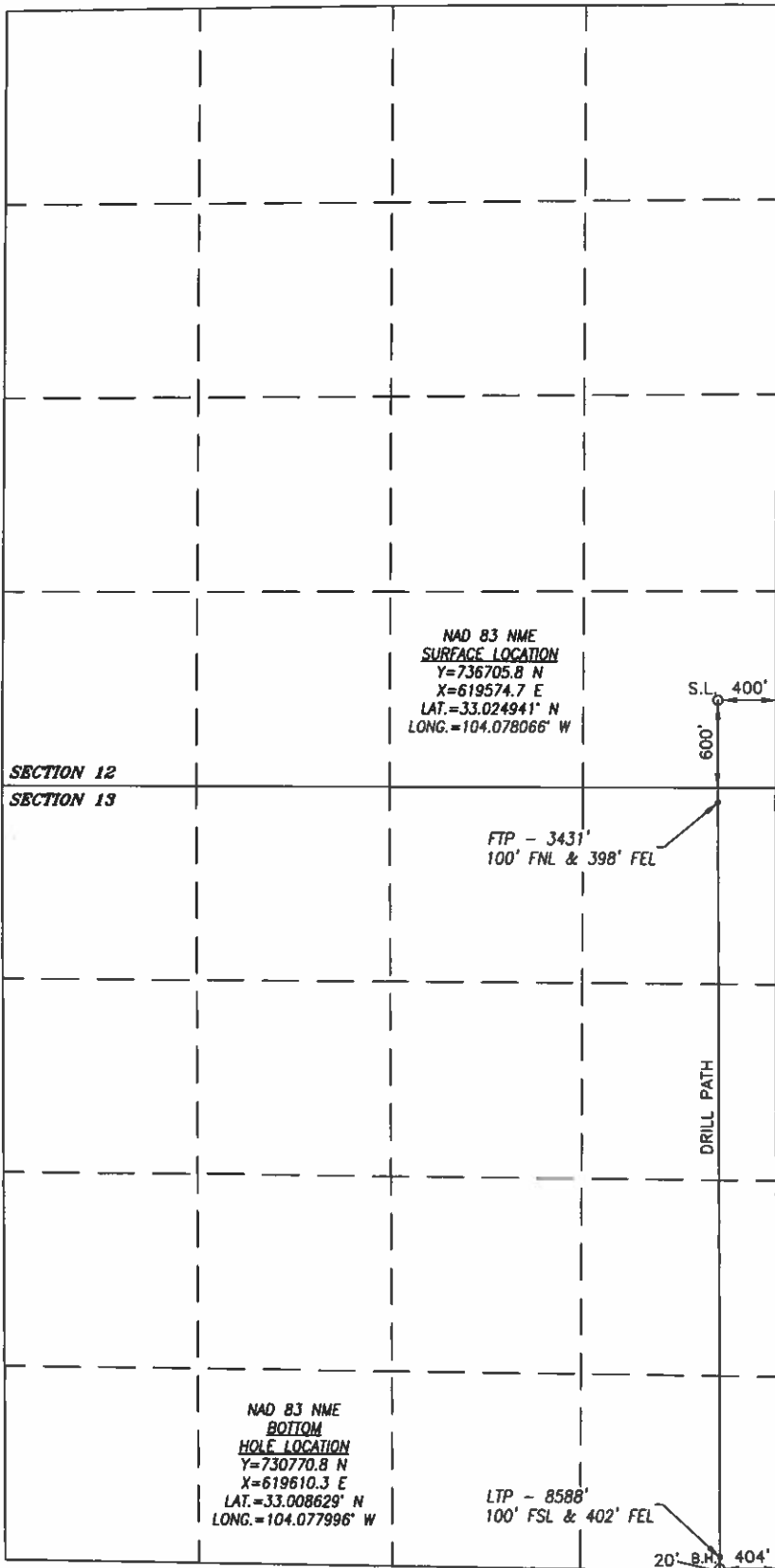
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	15-S	28-E		20	SOUTH	404	EAST	CHAVES

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

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

SEE PAGE 2

Property Code 326248	Property Name GREASEWOOD FEDERAL	Well Number 3H
OGRID No. 14187	Operator Name MARSHALL & WINSTON INC.	Elevation 3718.2'



SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY MARSHALL & WINSTON INC. FOR THE GREASEWOOD FEDERAL #3H SUPPLIED TO HARCROW SURVEYING, LLC ON AUGUST 9, 2021

1200 0 1200

SCALE: 1"=1200'

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

[Signature] 08/17/21
Signature Date

Todd Passmore
Printed Name

tpassmore@mar-win.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APR. 4, 2019/MAY 31, 2021

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



[Signature] 8/11/21
Certificate No. CHAD HARCROW 17777

PAGE 2 OF 2 W.O. #21-718 DRAWN BY: WN

Greenswood Federal #3H
Chaves County, New Mexico
WT-21-060
Stations 5 18KB
As Drilled L113

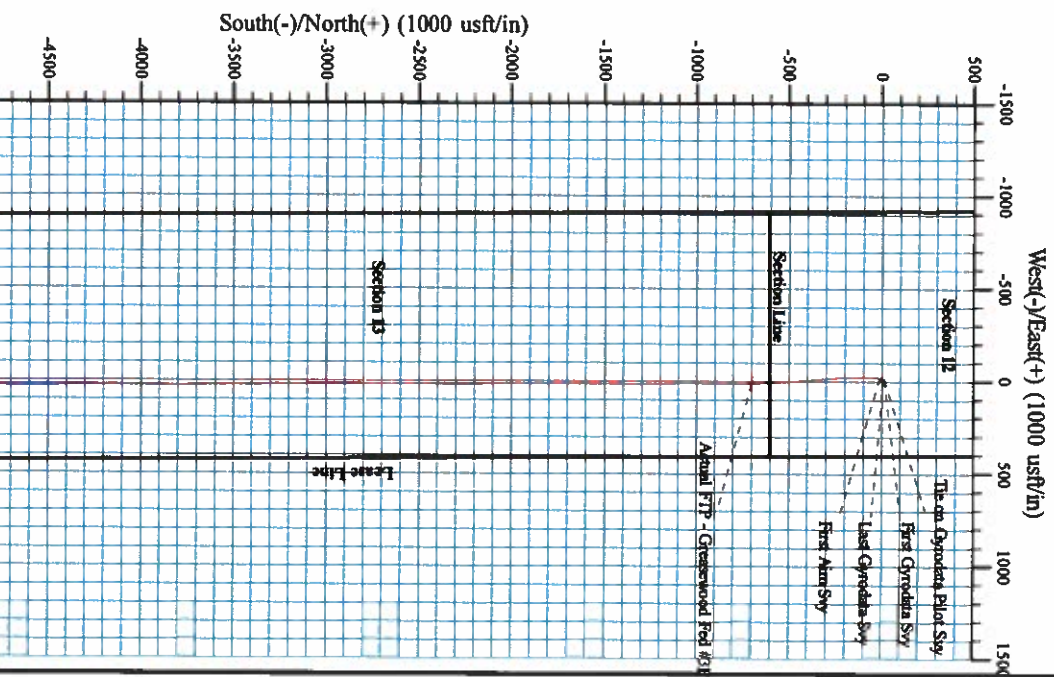
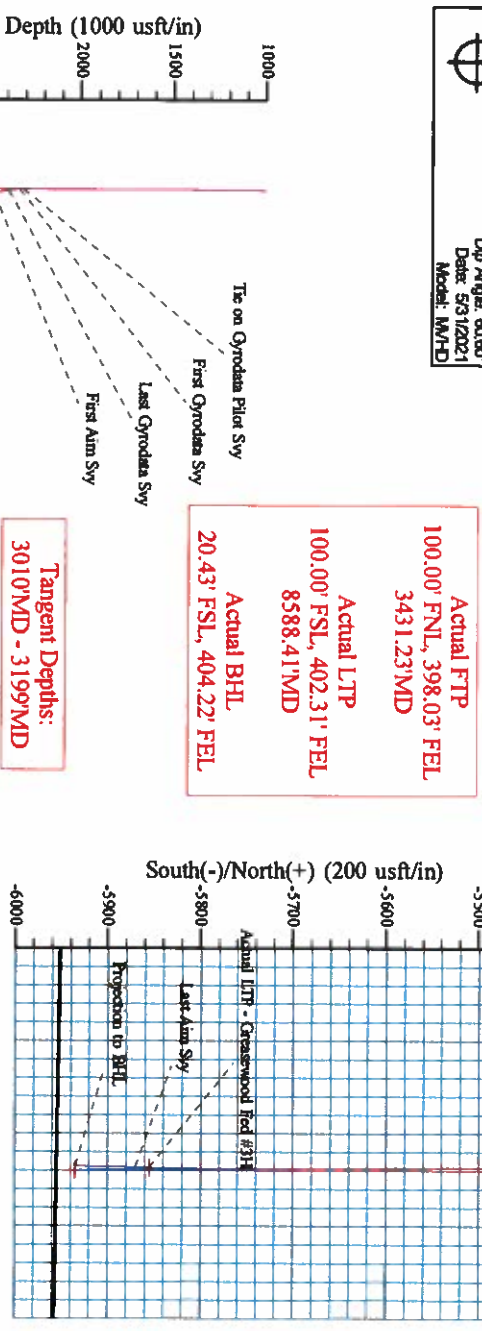
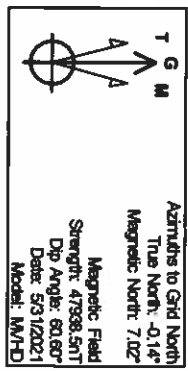


SECTION DETAILS									
Sec	MD	Inc	As	TYD	+N/S	+E/W	Dlog	TRue	VSec
1	8603.00	88.76	181.04	3077.95	-5869.98	36.89	0.00	0.00	5870.09
2	8668.00	88.76	181.04	3079.36	-5994.95	35.71	0.00	0.00	5995.06
					Last Aim Svy				
					Projection to BHL				

DESIGN TARGET DETAILS									
Name	TYD	+N/S	+E/W	Northing	Easting	Latitude	Longitude		
BHL - Greenswood Fed #3H - L113	3070.00	-5935.50	39.80	730770.30	619614.50	33° 0' 31.058" N	104° 4' 40.738" W		
Actual LTP - Greenswood Fed #3H	3077.62	-5855.39	37.14	730850.41	619611.84	33° 0' 31.851" N	104° 4' 40.767" W		
Actual FTP - Greenswood Fed #3H	3081.09	-6099.96	10.14	736005.84	619584.84	33° 1' 22.863" N	104° 4' 40.937" W		

PROJECT DETAILS: Chaves County, New Mexico		SITE DETAILS: Greenswood Federal #3H	
Geodetic System: US State Plane 1983	Datum: North American Datum 1983	Site Centre Northing: 736705.80	Easting: 619574.70
Ellipsoid: GRS 1980	Zone: New Mexico Eastern Zone	Positional Uncertainty: 0.00	Convergence: 0.14
System Datum: Mean Sea Level		Local North: Grid	

Drawn By: IG
Date Created: 06/28/19
Date Revised: 08/7/21
File: Marshall & Winston - Greenswood Fed #3H -
As Drilled L113.wpc



Aim Directional Services, LLC

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Site Greasewood Federal #3H
Project:	Chaves County, New Mexico	TVD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Site:	Greasewood Federal #3H	MD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Well:	Greasewood Fed #3H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Aim Database

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

Site	Greasewood Federal #3H		
Site Position:		Northing:	736,705.80 usft
From:	Map	Easting:	619,574.70 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	33° 1' 29.789 N
		Longitude:	104° 4' 41.036 W
		Grid Convergence:	0.14 °

Well	Greasewood Fed #3H		
Well Position	+N/-S	0.00 usft	Northing: 736,705.80 usft
	+E/-W	0.00 usft	Easting: 619,574.70 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	33° 1' 29.789 N
		Longitude:	104° 4' 41.036 W
		Ground Level:	3,718.20 usft

Wellbore	Drilling		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	5/31/2021	7.16
			Dip Angle (°) 60.60
			Field Strength (nT) 47,938.53806394

Design	Surveys		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	2,315.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 179.62

Survey Program	Date 6/7/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
54.00	2,315.00	Gyrodata Gyros (Pilot Drilling)	GYRO-NS-CT
2,334.00	2,395.00	Gyrodata Gyro Surveys (Drilling)	GYRO-NS-CT
2,474.00	8,668.00	Aim MWD Svys (Drilling)	MWD+HRGM+FDIR
			Description
			OWSG XYZ Accel with XY Static and Continuous Gyro
			OWSG XYZ Accel with XY Static and Continuous Gyro
			OWSG MWD + HRGM + FDIR Correction

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld 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
54.00	0.13	303.87	54.00	0.03	-0.05	-0.03	0.24	0.24	0.00
117.00	0.47	308.88	117.00	0.24	-0.31	-0.24	0.54	0.54	7.95
179.00	1.20	303.10	178.99	0.75	-1.05	-0.76	1.18	1.18	-9.32
241.00	1.82	288.35	240.97	1.41	-2.53	-1.43	1.17	1.00	-23.79
304.00	1.41	290.31	303.95	2.00	-4.21	-2.03	0.66	-0.65	3.11
366.00	1.05	291.47	365.93	2.47	-5.45	-2.51	0.58	-0.58	1.87
428.00	0.77	300.55	427.92	2.89	-6.34	-2.93	0.51	-0.45	14.65
491.00	0.75	309.50	490.92	3.37	-7.02	-3.42	0.19	-0.03	14.21

Aim Directional Services, LLC

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Site Greasewood Federal #3H
Project:	Chaves County, New Mexico	TVD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Site:	Greasewood Federal #3H	MD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Well:	Greasewood Fed #3H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Aim Database

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)
553.00	0.81	325.90	552.91	3.99	-7.58	-4.04	0.37	0.10	26.45
615.00	0.85	340.73	614.91	4.79	-7.98	-4.84	0.35	0.06	23.92
677.00	0.89	346.30	676.90	5.69	-8.24	-5.74	0.15	0.06	8.98
740.00	0.95	358.77	739.89	6.69	-8.37	-6.74	0.33	0.10	19.79
802.00	0.92	8.21	801.88	7.69	-8.31	-7.75	0.25	-0.05	15.23
864.00	0.89	16.18	863.87	8.65	-8.11	-8.70	0.21	-0.05	12.85
927.00	0.77	15.11	926.87	9.53	-7.86	-9.58	0.19	-0.19	-1.70
990.00	0.68	14.97	989.86	10.30	-7.65	-10.35	0.14	-0.14	-0.22
1,053.00	0.62	6.75	1,052.86	11.00	-7.52	-11.05	0.18	-0.10	-13.05
1,116.00	0.56	352.96	1,115.86	11.64	-7.51	-11.69	0.24	-0.10	-21.89
1,179.00	0.49	344.07	1,178.85	12.20	-7.63	-12.25	0.17	-0.11	-14.11
1,242.00	0.45	322.57	1,241.85	12.66	-7.85	-12.71	0.29	-0.06	-34.13
1,305.00	0.49	308.35	1,304.85	13.02	-8.21	-13.08	0.20	0.06	-22.57
1,368.00	0.42	300.51	1,367.85	13.31	-8.62	-13.36	0.15	-0.11	-12.44
1,432.00	0.44	306.51	1,431.84	13.57	-9.02	-13.63	0.08	0.03	9.38
1,495.00	0.44	316.02	1,494.84	13.89	-9.38	-13.95	0.12	0.00	15.10
1,558.00	0.52	327.34	1,557.84	14.31	-9.71	-14.37	0.20	0.13	17.97
1,621.00	0.51	338.65	1,620.84	14.80	-9.97	-14.87	0.13	-0.02	14.78
1,684.00	0.37	339.66	1,683.84	15.25	-10.15	-15.32	0.23	-0.22	4.78
1,747.00	0.23	325.77	1,746.84	15.55	-10.29	-15.62	0.25	-0.22	-22.05
1,810.00	0.21	319.46	1,809.83	15.74	-10.44	-15.81	0.05	-0.03	-10.02
1,873.00	0.15	280.85	1,872.83	15.84	-10.60	-15.91	0.21	-0.10	-61.29
1,936.00	0.11	270.03	1,935.83	15.86	-10.74	-15.93	0.07	-0.06	-17.17
1,999.00	0.02	124.25	1,998.83	15.85	-10.79	-15.92	0.20	-0.14	-231.40
2,063.00	0.03	86.66	2,062.83	15.85	-10.76	-15.92	0.03	0.02	-58.73
2,125.00	0.04	254.38	2,124.83	15.84	-10.77	-15.91	0.11	0.02	270.52
2,188.00	0.19	279.35	2,187.83	15.85	-10.89	-15.93	0.25	0.24	39.63
2,251.00	0.30	283.25	2,250.83	15.91	-11.16	-15.98	0.18	0.17	6.19
2,315.00	0.32	282.55	2,314.83	15.99	-11.49	-16.06	0.03	0.03	-1.09
Tie on Gyrodata Pilot Svy									
2,334.00	0.87	200.41	2,333.83	15.86	-11.60	-15.94	4.66	2.89	-432.32
First Gyrodata Svy									
2,395.00	9.16	197.48	2,394.55	10.79	-13.22	-10.87	13.59	13.59	-4.80
Last Gyrodata Svy - Tie on Gyros									
2,474.00	20.88	191.17	2,470.72	-9.09	-17.85	8.97	14.96	14.84	-7.99
First Aim Svy									
2,505.00	23.88	188.31	2,499.38	-20.72	-19.83	20.59	10.29	9.68	-9.23
2,537.00	26.06	184.62	2,528.39	-34.14	-21.33	34.00	8.37	6.81	-11.53
2,569.00	27.30	181.82	2,556.98	-48.48	-22.13	48.34	5.52	3.88	-8.75
2,600.00	28.43	180.59	2,584.39	-62.97	-22.43	62.82	4.09	3.65	-3.97
2,632.00	29.55	179.73	2,612.38	-78.48	-22.47	78.33	3.73	3.50	-2.69
2,663.00	32.10	179.60	2,639.00	-94.36	-22.38	94.21	8.23	8.23	-0.42
2,695.00	34.28	178.18	2,665.78	-111.87	-22.03	111.72	7.23	6.81	-4.44
2,726.00	36.85	176.78	2,690.99	-129.88	-21.23	129.74	8.70	8.29	-4.52

Aim Directional Services, LLC

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Site Greasewood Federal #3H
Project:	Chaves County, New Mexico	TVD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Site:	Greasewood Federal #3H	MD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Well:	Greasewood Fed #3H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Aim Database

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)	
2,758.00	38.81	176.80	2,716.26	-149.48	-20.14	149.34	6.13	6.13	0.06	
2,789.00	41.39	177.68	2,739.98	-169.42	-19.18	169.29	8.52	8.32	2.84	
2,821.00	42.90	178.37	2,763.70	-190.88	-18.44	190.75	4.94	4.72	2.16	
2,852.00	44.90	179.17	2,786.04	-212.37	-17.98	212.24	6.70	6.45	2.58	
2,884.00	46.07	178.74	2,808.47	-235.18	-17.56	235.06	3.78	3.66	-1.34	
2,916.00	47.48	176.79	2,830.39	-258.48	-16.65	258.36	6.26	4.41	-6.09	
2,947.00	48.98	175.39	2,851.04	-281.54	-15.07	281.44	5.90	4.84	-4.52	
2,979.00	52.49	174.32	2,871.29	-306.21	-12.84	306.12	11.27	10.97	-3.34	
3,010.00	54.85	173.97	2,889.65	-331.06	-10.30	330.98	7.67	7.61	-1.13	
3,042.00	54.82	174.07	2,908.08	-357.07	-7.57	357.01	0.27	-0.09	0.31	
3,073.00	54.72	174.03	2,925.97	-382.26	-4.95	382.22	0.34	-0.32	-0.13	
3,105.00	54.66	175.32	2,944.46	-408.26	-2.52	408.23	3.29	-0.19	4.03	
3,136.00	54.91	177.08	2,962.34	-433.53	-0.84	433.51	4.71	0.81	5.68	
3,168.00	54.66	177.01	2,980.79	-459.64	0.50	459.63	0.80	-0.78	-0.22	
3,199.00	55.06	176.88	2,998.63	-484.95	1.85	484.95	1.34	1.29	-0.42	
3,231.00	59.30	176.78	3,015.97	-511.80	3.34	511.81	13.25	13.25	-0.31	
3,262.00	63.54	176.71	3,030.80	-538.97	4.89	538.99	13.68	13.68	-0.23	
3,294.00	68.63	176.82	3,043.77	-568.16	6.54	568.20	15.91	15.91	0.34	
3,325.00	71.31	177.28	3,054.39	-597.25	8.04	597.29	8.76	8.65	1.48	
3,357.00	74.20	178.32	3,063.87	-627.78	9.21	627.83	9.55	9.03	3.25	
3,388.00	76.24	179.10	3,071.78	-657.75	9.88	657.80	7.02	6.58	2.52	
3,420.00	78.10	179.95	3,078.89	-688.95	10.14	689.00	6.36	5.81	2.66	
3,431.23	79.29	179.98	3,081.09	-699.96	10.14	700.01	10.62	10.61	0.29	
Actual FTP - Greasewood Fed #3H										
3,451.00	81.39	180.04	3,084.40	-719.45	10.14	719.50	10.62	10.61	0.29	
3,483.00	84.51	179.66	3,088.33	-751.20	10.22	751.25	9.82	9.75	-1.19	
3,514.00	86.26	179.50	3,090.83	-782.10	10.45	782.15	5.67	5.65	-0.52	
3,545.00	89.64	179.34	3,091.93	-813.07	10.76	813.13	10.92	10.90	-0.52	
3,577.00	89.50	179.41	3,092.17	-845.07	11.11	845.12	0.49	-0.44	0.22	
3,640.00	90.19	179.64	3,092.34	-908.07	11.64	908.12	1.15	1.10	0.37	
3,703.00	90.62	179.69	3,091.90	-971.06	12.00	971.12	0.69	0.68	0.08	
3,766.00	90.39	179.64	3,091.34	-1,034.06	12.37	1,034.12	0.37	-0.37	-0.08	
3,829.00	90.28	179.57	3,090.98	-1,097.06	12.81	1,097.12	0.21	-0.17	-0.11	
3,892.00	90.36	179.26	3,090.62	-1,160.05	13.45	1,160.12	0.51	0.13	-0.49	
3,954.00	90.43	178.87	3,090.20	-1,222.04	14.46	1,222.11	0.64	0.11	-0.63	
4,017.00	90.49	178.86	3,089.69	-1,285.03	15.71	1,285.11	0.10	0.10	-0.02	
4,081.00	90.25	180.24	3,089.28	-1,349.02	16.21	1,349.10	2.19	-0.38	2.16	
4,144.00	89.74	180.25	3,089.28	-1,412.02	15.94	1,412.10	0.81	-0.81	0.02	
4,207.00	89.75	179.99	3,089.56	-1,475.02	15.81	1,475.10	0.41	0.02	-0.41	
4,235.00	89.71	179.93	3,089.69	-1,503.02	15.83	1,503.09	0.26	-0.14	-0.21	
4,298.00	89.70	180.24	3,090.02	-1,566.02	15.74	1,566.09	0.49	-0.02	0.49	
4,361.00	91.97	180.46	3,089.10	-1,629.01	15.35	1,629.08	3.62	3.60	0.35	
4,424.00	91.80	180.60	3,087.03	-1,691.97	14.77	1,692.03	0.35	-0.27	0.22	

Aim Directional Services, LLC

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Site Greasewood Federal #3H
Project:	Chaves County, New Mexico	TVD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Site:	Greasewood Federal #3H	MD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Well:	Greasewood Fed #3H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Aim Database

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)
4,487.00	91.87	180.72	3,085.01	-1,754.94	14.04	1,754.99	0.22	0.11	0.19
4,550.00	91.86	180.38	3,082.96	-1,817.90	13.44	1,817.95	0.54	-0.02	-0.54
4,613.00	92.17	179.71	3,080.75	-1,880.86	13.39	1,880.91	1.17	0.49	-1.06
4,676.00	92.26	179.74	3,078.31	-1,943.81	13.69	1,943.86	0.15	0.14	0.05
4,739.00	92.34	179.79	3,075.78	-2,006.76	13.95	2,006.81	0.15	0.13	0.08
4,802.00	92.07	179.70	3,073.36	-2,069.71	14.23	2,069.76	0.45	-0.43	-0.14
4,865.00	90.90	179.52	3,071.73	-2,132.69	14.66	2,132.74	1.88	-1.86	-0.29
4,928.00	91.12	179.75	3,070.62	-2,195.68	15.06	2,195.73	0.51	0.35	0.37
4,991.00	91.18	179.78	3,069.35	-2,258.67	15.32	2,258.72	0.11	0.10	0.05
5,054.00	90.84	179.87	3,068.24	-2,321.66	15.51	2,321.71	0.56	-0.54	0.14
5,117.00	89.49	179.78	3,068.08	-2,384.65	15.70	2,384.71	2.15	-2.14	-0.14
5,180.00	89.82	179.56	3,068.44	-2,447.65	16.07	2,447.70	0.63	0.52	-0.35
5,243.00	89.81	179.48	3,068.64	-2,510.65	16.59	2,510.70	0.13	-0.02	-0.13
5,306.00	89.91	179.70	3,068.80	-2,573.65	17.04	2,573.70	0.38	0.16	0.35
5,369.00	90.06	180.13	3,068.81	-2,636.65	17.14	2,636.70	0.72	0.24	0.68
5,432.00	90.34	180.35	3,068.59	-2,699.65	16.87	2,699.70	0.57	0.44	0.35
5,495.00	90.64	180.71	3,068.05	-2,762.64	16.29	2,762.69	0.74	0.48	0.57
5,558.00	90.91	180.84	3,067.20	-2,825.63	15.44	2,825.67	0.48	0.43	0.21
5,621.00	89.18	179.59	3,067.15	-2,888.62	15.20	2,888.66	3.39	-2.75	-1.98
5,685.00	89.28	179.80	3,068.01	-2,952.62	15.54	2,952.66	0.36	0.16	0.33
5,748.00	89.23	179.89	3,068.83	-3,015.61	15.71	3,015.65	0.16	-0.08	0.14
5,811.00	89.19	179.65	3,069.70	-3,078.61	15.97	3,078.64	0.39	-0.06	-0.38
5,874.00	89.15	178.57	3,070.61	-3,141.59	16.95	3,141.63	1.72	-0.06	-1.71
5,937.00	89.20	178.94	3,071.52	-3,204.57	18.31	3,204.62	0.59	0.08	0.59
6,000.00	89.02	178.87	3,072.50	-3,267.55	19.52	3,267.61	0.31	-0.29	-0.11
6,063.00	88.97	178.78	3,073.60	-3,330.53	20.81	3,330.59	0.16	-0.08	-0.14
6,126.00	90.02	178.67	3,074.16	-3,393.51	22.21	3,393.58	1.68	1.67	-0.17
6,189.00	90.17	178.86	3,074.05	-3,456.49	23.57	3,456.57	0.38	0.24	0.30
6,252.00	90.24	179.00	3,073.83	-3,519.48	24.75	3,519.57	0.25	0.11	0.22
6,315.00	90.43	179.26	3,073.46	-3,582.47	25.70	3,582.57	0.51	0.30	0.41
6,378.00	90.94	179.63	3,072.71	-3,645.47	26.31	3,645.56	1.00	0.81	0.59
6,441.00	91.14	179.87	3,071.56	-3,708.45	26.59	3,708.55	0.50	0.32	0.38
6,504.00	91.19	180.08	3,070.28	-3,771.44	26.62	3,771.54	0.34	0.08	0.33
6,567.00	91.51	180.47	3,068.80	-3,834.42	26.31	3,834.51	0.80	0.51	0.62
6,630.00	92.01	180.66	3,066.86	-3,897.39	25.69	3,897.48	0.85	0.79	0.30
6,693.00	90.92	180.82	3,065.25	-3,960.36	24.88	3,960.44	1.75	-1.73	0.25
6,756.00	90.74	180.91	3,064.34	-4,023.35	23.93	4,023.42	0.32	-0.29	0.14
6,820.00	90.21	180.10	3,063.81	-4,087.34	23.36	4,087.41	1.51	-0.83	-1.27
6,883.00	90.03	180.18	3,063.68	-4,150.34	23.21	4,150.41	0.31	-0.29	0.13
6,946.00	89.01	180.09	3,064.21	-4,213.34	23.06	4,213.40	1.63	-1.62	-0.14
7,009.00	89.00	180.22	3,065.30	-4,276.33	22.89	4,276.39	0.21	-0.02	0.21
7,072.00	89.11	180.63	3,066.34	-4,339.32	22.42	4,339.37	0.67	0.17	0.65
7,135.00	89.14	180.59	3,067.30	-4,402.31	21.75	4,402.36	0.08	0.05	-0.06
7,198.00	89.88	180.16	3,067.84	-4,465.31	21.34	4,465.35	1.36	1.17	-0.68

Aim Directional Services, LLC

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Site Greasewood Federal #3H
Project:	Chaves County, New Mexico	TVD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Site:	Greasewood Federal #3H	MD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Well:	Greasewood Fed #3H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Aim Database

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,261.00	90.28	180.15	3,067.75	-4,528.31	21.17	4,528.35	0.64	0.63	-0.02
7,324.00	89.85	179.51	3,067.68	-4,591.30	21.36	4,591.34	1.22	-0.68	-1.02
7,387.00	90.16	179.52	3,067.67	-4,654.30	21.89	4,654.34	0.49	0.49	0.02
7,451.00	89.90	178.34	3,067.64	-4,718.29	23.09	4,718.34	1.89	-0.41	-1.84
7,514.00	89.87	178.28	3,067.77	-4,781.26	24.94	4,781.32	0.11	-0.05	-0.10
7,577.00	89.83	178.42	3,067.93	-4,844.24	26.76	4,844.31	0.23	-0.06	0.22
7,640.00	89.89	178.59	3,068.09	-4,907.21	28.40	4,907.29	0.29	0.10	0.27
7,703.00	89.94	178.77	3,068.18	-4,970.20	29.85	4,970.29	0.30	0.08	0.29
7,766.00	89.97	178.86	3,068.23	-5,033.18	31.16	5,033.28	0.15	0.05	0.14
7,830.00	90.04	178.84	3,068.22	-5,097.17	32.44	5,097.27	0.11	0.11	-0.03
7,893.00	90.03	178.79	3,068.19	-5,160.16	33.74	5,160.27	0.08	-0.02	-0.08
7,956.00	90.03	179.01	3,068.15	-5,223.15	34.95	5,223.26	0.35	0.00	0.35
8,019.00	90.15	179.34	3,068.05	-5,286.14	35.86	5,286.26	0.56	0.19	0.52
8,082.00	90.52	179.71	3,067.69	-5,349.14	36.38	5,349.26	0.83	0.59	0.59
8,145.00	89.72	179.65	3,067.55	-5,412.13	36.73	5,412.26	1.27	-1.27	-0.10
8,208.00	89.83	179.75	3,067.80	-5,475.13	37.06	5,475.26	0.24	0.17	0.16
8,271.00	88.76	179.40	3,068.58	-5,538.12	37.53	5,538.25	1.79	-1.70	-0.56
8,334.00	88.73	179.57	3,069.96	-5,601.11	38.10	5,601.24	0.27	-0.05	0.27
8,397.00	88.16	180.16	3,071.67	-5,664.08	38.24	5,664.21	1.30	-0.90	0.94
8,460.00	88.07	180.12	3,073.74	-5,727.05	38.09	5,727.18	0.16	-0.14	-0.06
8,523.00	88.18	180.30	3,075.80	-5,790.01	37.86	5,790.14	0.33	0.17	0.29
8,586.00	88.61	180.94	3,077.56	-5,852.99	37.18	5,853.10	1.22	0.68	1.02
8,588.41	88.63	180.95	3,077.62	-5,855.39	37.14	5,855.51	1.06	0.88	0.59
Actual LTP - Greasewood Fed #3H									
8,603.00	88.76	181.04	3,077.95	-5,869.98	36.89	5,870.09	1.06	0.88	0.59
Last Aim Svy									
8,668.00	88.76	181.04	3,079.36	-5,934.95	35.71	5,935.06	0.00	0.00	0.00
Projection to BHL - PBHL - Greasewood Fed #3H - L1r3									

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									
Actual LTP - Greasewood	0.00	0.00	3,077.62	-5,855.39	37.14	730,850.41	619,611.84	33° 0' 31.851 N	104° 4' 40.767 W
- actual wellpath hits target center									
- Point									
Actual FTP - Greasewood	0.00	0.00	3,081.09	-699.96	10.14	736,005.84	619,584.85	33° 1' 22.863 N	104° 4' 40.937 W
- actual wellpath hits target center									
- Point									

Aim Directional Services, LLC

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Site Greasewood Federal #3H
Project:	Chaves County, New Mexico	TVD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Site:	Greasewood Federal #3H	MD Reference:	Well @ 3736.20usft (Stoneham 5 18'KB)
Well:	Greasewood Fed #3H	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Aim Database

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,315.00	2,314.83	15.99	-11.49	Tie on Gyrodata Pilot Svy
2,334.00	2,333.83	15.86	-11.60	First Gyrodata Svy
2,395.00	2,394.55	10.79	-13.22	Last Gyrodata Svy
2,395.00	2,394.55	10.79	-13.22	Tie on Gyros
2,474.00	2,470.72	-9.09	-17.85	First Aim Svy
8,603.00	3,077.95	-5,869.98	36.89	Last Aim Svy
8,668.00	3,079.36	-5,934.95	35.71	Projection to BHL

Sherry Roberts

From: AFMSS <blm-afmss-notifications@blm.gov>
Sent: Tuesday, October 26, 2021 4:38 PM
To: sroberts@mar-win.com
Cc: j1sanchez@blm.gov; KBUSSELL@BLM.GOV; NDOMINGUEZ@BLM.GOV; OTORRES@BLM.GOV
Subject: Well Name: GREASEWOOD FEDERAL, Well Number: 3H, Notification of Sundry Accepted

The Bureau of Land Management**Notice of Subsequent Report Approval**

- Operator Name: **MARSHALL & WINSTON INCORPORATED**
- Well Name: **GREASEWOOD FEDERAL**
- Well Number: **3H**
- US Well Number: **3000564341**
- Sundry ID: **2641688**

FRACK COMPLETION SUNDAY

The BLM received your Subsequent Report, Hydraulic Fracturing on 10/26/2021. This is to notify you that we are Accepting your Subsequent Report Hydraulic Fracturing. Please login to your account in AFMSS II to see the final documents.

You may contact the field office if you have any questions.

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

Sherry Roberts

From: AFMSS <blm-afmss-notifications@blm.gov>
Sent: Tuesday, October 26, 2021 4:34 PM
To: sroberts@mar-win.com
Subject: Well Name: GREASEWOOD FEDERAL, Well Number: 3H, Notification of Sundry Received

The Bureau of Land Management

Subsequent Report Receipt

- Operator Name: MARSHALL & WINSTON INCORPORATED
- Well Name: GREASEWOOD FEDERAL
- Well Number: 3H
- US Well Number: 3000564341
- Sundry ID: 2641688

FRACK COMPLETION SUNDRY

The BLM received your Subsequent Report, Hydraulic Fracturing sundry on 10/26/2021. This is to notify you that we are processing your sundry.

You may contact the field office if you have any questions.

If we need more information we will contact you. Thank you.

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

Well Name: GREASEWOOD FEDERAL	Well Location: T15S / R28E / SEC 12 / SESE / 33.024941 / -104.078066	County or Parish/State: CHAVES / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM121940	Unit or CA Name:	Unit or CA Number:
US Well Number: 3000564341	Well Status: Drilling Well	Operator: MARSHALL & WINSTON INCORPORATED

Subsequent Report

Sundry ID: 2641688

Type of Submission: Subsequent Report

Type of Action: Hydraulic Fracturing

Date Sundry Submitted: 10/26/2021

Time Sundry Submitted: 03:33

Date Operation Actually Began: 10/07/2021

Actual Procedure: 10/07-20/21 TD 8668'. PBTD 8615'. NU frack stack manual, hydrator, mud cross, manual, goat head test to 8500# - good test. TIH & set CIBP at 8615'. Test csg to 8200# - good test. Frack stage #1 - #31. Frack totals: 20/40 sand 7768806#, 40/70 sand 1870971#, Total clean water 144774 bbl, total acid 75,200 gals, Total load water to recover 146534 bbl. FTP 3452' & LTP 8588'. RDMO all frack related equip. Drill out plugs. TIH with set stop @ 3191'. TIH w/ 93 jts tbg (3/8" tbg cable, install 8 cable guards & 21 cannon clamps). BP @ 3191', intake 3168' & degasser 3172'. Hand well over to flowback. Well online 12:30 am, 10/20/21.

Well Name: GREASEWOOD FEDERAL	Well Location: T15S / R28E / SEC 12 / SESE / 33.024941 / -104.078066	County or Parish/State: AVES / NM
Well Number: 3H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM121940	Unit or CA Name:	Unit or CA Number:
US Well Number: 3000564341	Well Status: Drilling Well	Operator: MARSHALL & WINSTON INCORPORATED

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: SHERRY ROBERTS**Signed on:** OCT 26, 2021 03:30 PM**Name:** MARSHALL & WINSTON INCORPORATED**Title:** Operations Secretary**Street Address:** 6 Desta Drive, Suite 3100**City:** Midland**State:** TX**Phone:** (432) 684-6373**Email address:** sroberts@mar-win.com**Field Representative****Representative Name:** Todd Passmore**Street Address:** 6 Desta Drive, Suite 3100**City:** Midland**State:** TX**Zip:** 79705**Phone:** (432)894-0165**Email address:** tpassmore@mar-win.com

Sherry Roberts

From: blm-afmss-notifications@blm.gov
Sent: Wednesday, January 5, 2022 2:05 PM
To: sroberts@mar-win.com
Subject: Well Name: GREASEWOOD FEDERAL, Well Number: 3H, Notification of Well Completion Acceptance

The Bureau of Land Management

Notice of Acceptance for Well Completion Report

- Operator Name: **MARSHALL & WINSTON INCORPORATED**
- Well Name: **GREASEWOOD FEDERAL**
- Well Number: **3H**
- US Well Number: **3000564341**
- Well Completion Report Id: **WCR2022010582216**

This notification is automatically generated. Please do not reply to this message as this account is not monitored.

Sherry Roberts

From: blm-afmss-notifications@blm.gov
Sent: Wednesday, January 5, 2022 10:27 AM
To: sroberts@mar-win.com
Subject: Well Name: GREASEWOOD FEDERAL, Well Number: 3H, Acknowledgement of Submission for Well Completion

The Bureau of Land Management

Notice of receiving Well Completion Report

- Operator Name: **MARSHALL & WINSTON INCORPORATED**
- Well Name: **GREASEWOOD FEDERAL**
- Well Number: **3H**
- US Well Number: **3000564341**
- Well Completion Report Id: **WCR2022010582216**

This is to notify you that we have received your Well Completion Report. Thank you. If we need more information we will contact you.

This notification is automatically generated. Please do not reply to this message as this account is not monitored.



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print Report

01/05/2022

Operator Name MARSHALL & WINSTON INCORPORATED SHL SESE Sec 12 15S 28E	Well Name GREASEWOOD FEDERAL	Well Number 3H	US Well Number 3000564341
Well Type OIL WELL	County CHAVES	State NM	Lease Number(s) NMNM121940, NMNM121940, NMNM121940
Allottee/Tribe Name	Well Status Drilling Well	Agreement Name	Agreement Number(s)
	Well Pad Name null	Well Pad Number null	ID 10400042987

Section 1 - General

Well Completion Report Id: 82216 **Submission Date:** N/A until DB Work

BLM Office: Roswell Field Office **User:** Sherry Roberts **Title:** Operations Secretary

Federal/Indian: FEDERAL **Lease Number:** NMNM121940 **Lease Acres:**

Agreement in place?: NO **Federal or Indian Agreement:**

Agreement Number: **Agreement Name:**

Keep this Well Completion Report confidential?: NO

APD Operator: MARSHALL & WINSTON
INCORPORATED

Section 2 - Well Information

Field/Pool or Exploratory: Field/Pool **Pool Name:** SAN ANDRES **Field Name:** ROUND TANK

Well Type: OIL WELL

Spud Date: 05-19-2021

Date Total Measured Depth Reached: 06-02-2021

Drill & Abandon or Ready To Produce: READY TO PRODUCE

Well Class: HORIZONTAL

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
ALLUVIUM	SANDSTONE		3718	0	0	NONE	
TOP OF SALT	GYPSUM		3468	250	250	NONE	

Operator Name MARSHALL & WINSTON INCORPORATED SHL SESE Sec 12 15S 28E	Well Name GREASEWOOD FEDERAL County CHAVES	Well Number 3H State NM	US Well Number 3000564341 Lease Number(s) NMNM121940, NMNM121940, NMNM121940 Agreement Number(s)
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400042987

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
BASE OF SALT	GYPSUM		2928	790	790	NONE	
YATES	SANDSTONE		2880	828	828	NONE	
QUEEN	SANDSTONE		2150	1568	1568	NONE	
SAN ANDRES	DOLOMITE		1352	2366	2366	NATURAL GAS, OIL	

Completion and Completed Intervals

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	SO	1	NMNM121940	NMNM121940	NEW		POW	10-18-2021	10-17-2021	SAN ANDRES	3451	8588	Y	.42	1116	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	SO	1	Y	FRAC	144774	9639777	

Operator Name MARSHALL & WINSTON INCORPORATED SHL SESE Sec 12 15S 28E	Well Name GREASEWOOD FEDERAL	Well Number 3H	US Well Number 3000564341
	County CHAVES	State NM	Lease Number(s) NMNM121940, NMNM121940, NMNM121940
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400042987

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	SO	1	35.5	.99	ELECTRIC PUMP SUB-SURFACE		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	SO	1	11/02/2021	24	92	50	2786	543				

Well Location

Survey Type: RECTANGULAR

Survey Number: 19-580

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

Aliquot/Lot/Tract	Section	Range	Township	EW-Indicator	EW-Foot	NS-Indicator	NS-Foot	Plug Type	Plug MD (ft)	Plug TVD (ft)	Lease Number	Lease Type	Elevation (MSL)	Longitude	Latitude	County	Meridian	State
SESE	12	28E	15S	FEL	400	FSL	600				NMNM121940	FEDERAL	3718	-104.078066	33.024941	CHAVES	NEW MEXICO PRINCIPAL	NEW MEXICO

Operator Name MARSHALL & WINSTON INCORPORATED SHL SESE Sec 12 15S 28E	Well Name GREASEWOOD FEDERAL	Well Number 3H	US Well Number 3000564341
	County CHAVES	State NM	Lease Number(s) NMNM121940, NMNM121940, NMNM121940
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400042987

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MID (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
		L																	
KOP Well bore 00	NEW MEXIC O	NEW MEXICO PRINCIPA L	CHAVES	33.02494 1	- 104.0780 66	981	FEDER AL	NMNM 12194 0				600	FSL	400	FEL	15S	28E	12	SESE
PPP Well bore 00	NEW MEXIC O	NEW MEXICO PRINCIPA L	CHAVES	33.02304	- 104.0780 1	508	FEDER AL	NMNM 12194 0				100	FNL	400	FEL	15S	28E	13	NENE
EXIT Well bore 00	NEW MEXIC O	NEW MEXICO PRINCIPA L	CHAVES	33.00885	- 104.0779 9	618	FEDER AL	NMNM 12194 0				100	FSL	400	FEL	15S	28E	13	SESE
BHL Well bore 00	NEW MEXIC O	NEW MEXICO PRINCIPA L	CHAVES	33.00862 7	- 104.0779 83	618	FEDER AL	NMNM 12194 0				20	FSL	400	FEL	15S	28E	13	SESE

Casing, Liner and Tubing

Operator Name MARSHALL & WINSTON INCORPORATED SHL SESE Sec 12 15S 28E	Well Name GREASEWOOD FEDERAL County CHAVES	Well Number 3H State NM	US Well Number 3000564341 Lease Number(s) NMNM121940, NMNM121940, NMNM121940 Agreement Number(s)
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400042987

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	WT(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	231	13.375	54	J-55		BUTT		
00	INTERMEDIATE	12.25	0	1247	9.625	36	J-55		LT&C		
00	INTERMEDIATE	8.75	0	3494	7.625	29.7	P-110		BUTT		
00	PRODUCTION	6.75	0	8668	5.5	20	P-110		FJ		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield (cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbls)
00	SURFACE		Class C	380	1.34	0					90.7
00	INTERMEDIATE		Class C	170	1.97	0	Class C	200	1.34	0	107.4
00	INTERMEDIATE		Class C	100	1.74	0	Class C	200	1.34	0	78.7
00	PRODUCTION		Class C	170	2.63	0	Class C	450	1.31	0	184.6

Operator Name MARSHALL & WINSTON INCORPORATED SHL SESE Sec 12 15S 28E	Well Name GREASEWOOD FEDERAL County CHAVES	Well Number 3H State NM	US Well Number 3000564341 Lease Number(s) NMNM121940, NMNM121940, NMNM121940 Agreement Number(s)
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400042987

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.875		3168						

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	NO	NO	NO	NO	NO	NO

Operator Name MARSHALL & WINSTON INCORPORATED SHL SESE Sec 12 15S 28E	Well Name GREASEWOOD FEDERAL County CHAVES	Well Number 3H State NM	US Well Number 3000564341 Lease Number(s) NMNM121940, NMNM121940, NMNM121940 Agreement Number(s)
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	
Allottee/Tribe Name	Well Pad Name null	Well Pad Number null	ID 10400042987

Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: MARSHALL & WINSTON INCORPORATED

Signed By: Sherry Roberts

Title: Operations Secretary

Signed on: 01/05/2022

Street Address: 6 Desta Drive, Suite 3100

City: Midland

State: TX

Zip: 79705

Phone: (432)684-6373

Email address: sroberts@mar-win.com

Field Representative

Representative Name: Todd Passmore

Street Address: 6 Desta Drive, Suite 3100

City: Midland

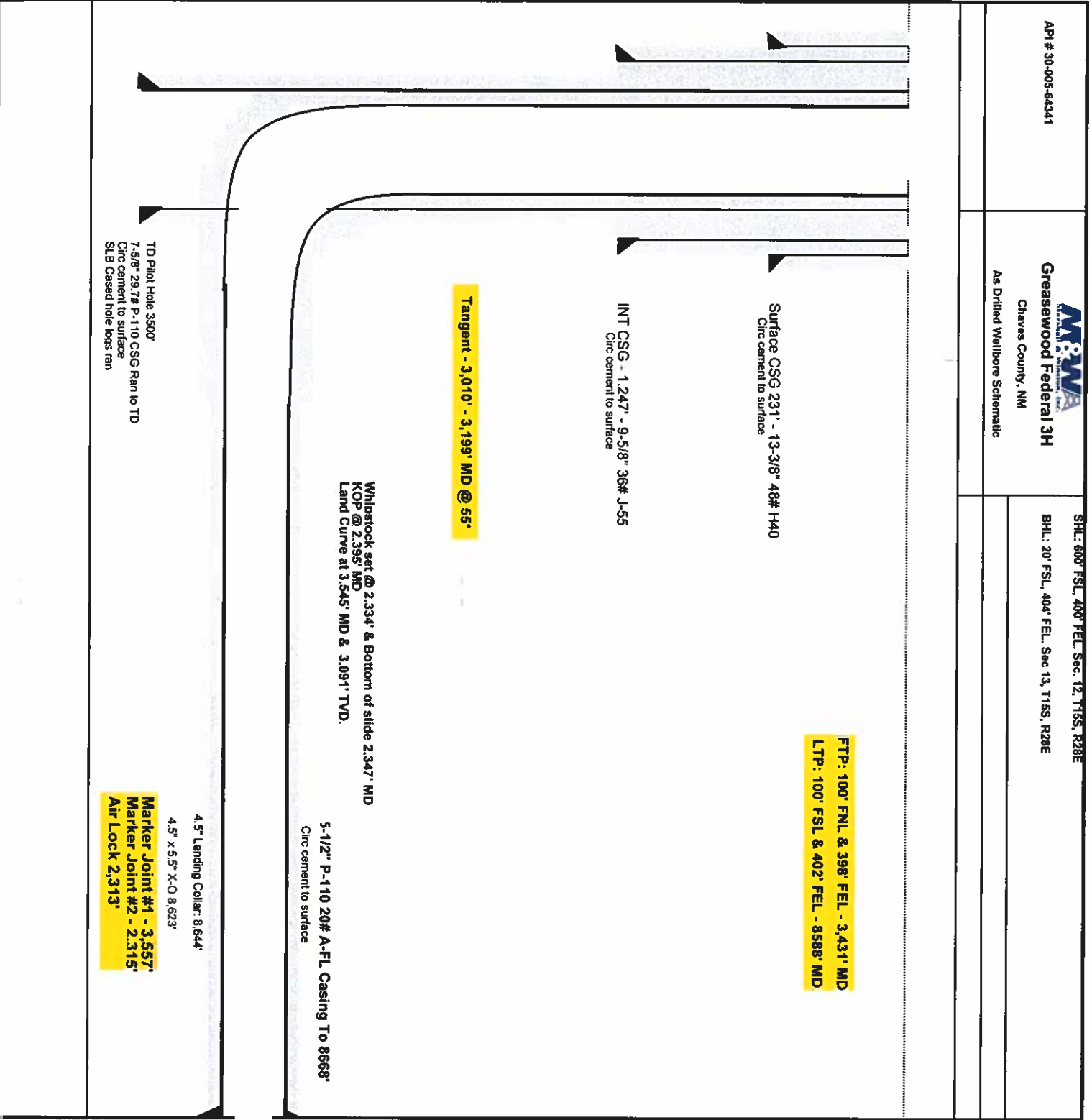
State: TX

Zip: 79705

Phone: (432)894-0165

Extension:

Email address: tpassmore@mar-win.com



API # 30-005-64341



Greasewood Federal 3H

Chaves County, NM

As Drilled Wellbore Schematic

SHL: 600' FSL: 400' FEL: Sec. 12, T15S, R28E

BHL: 20' FSL: 404' FEL: Sec 13, T15S, R28E

FTP: 100' FNL & 398' FEL - 3,431' MD
LTP: 100' FSL & 402' FEL - 8588' MD

TD Pilot Hole 3500'
7-5/8" 29.7# P-110 CSG Ran to TD
Circ cement to surface
SLB Cased hole logs ran

Marker Joint #1 - 3,557'
Marker Joint #2 - 2,315'
Air Lock 2,313'

4.5" Landing Collar: 8,644'
4.5" x 5.5" X-O 8,623'

5-1/2" P-110 20# A-FL Casing To 8668'
Circ cement to surface

Whipstock set @ 2,334' & Bottom of slide 2,347' MD
KOP @ 2,395' MD
Land Curve at 3,545' MD & 3,091' TVD.

Tangent - 3,010' - 3,199' MD @ 55°

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

ACKNOWLEDGMENTS

Action 123010

ACKNOWLEDGMENTS

Operator: MARSHALL & WINSTON INC P.O. Box 50880 Midland, TX 79710	OGRID: 14187
	Action Number: 123010
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

CONDITIONS

Action 123010

CONDITIONS

Operator: MARSHALL & WINSTON INC P.O. Box 50880 Midland, TX 79710	OGRID: 14187
	Action Number: 123010
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	7/12/2022