

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

Form C-104
Revised August 1, 2011

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 RT - 28,000 (month)
⁴ API Number 30-0 25-47071	⁵ Pool Name WC-25 G-06 S213326D; Bone Spring	⁶ Pool Code 97929
⁷ Property Code 328094	⁸ Property Name Loco Dinero 36 3U State Com	⁹ Well Number 5H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	36	21S	33E		160	North	400	West	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	21S	33E		61	South	459	West	Lea

¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
024650	Targa Midstream Services, L.P. 6 Desta Drive, Suite 3300 Midland, Texas 79705	G
329971	Oryx Delaware Oil Transport LLC 400 N. Big Spring St., Suite 500 Midland, Texas 79705	O

IV. Well Completion Data

²¹ Spud Date 2/21/21	²² Ready Date 7/27/21	²³ TD 16093'	²⁴ PBDT 16067'	²⁵ Perforations 16054-11329'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1803'	1360 sx C		
12 1/4"	9 5/8"	5303'	1920 sx C		
8 3/4"	5 1/2"	16090'	2550 sx C		
	2 7/8"	10694'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
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		
Printed name: Todd Passmore			Approved by: Kurt Simmons		
Title: Operations Manager			Title: NMOCD, Santa Fe		
E-mail Address: tpassmore@mar-win.com			Approval Date: 08/02/2021		
Date: 07/28/21	Phone: 432-684-6373		RT C-104 EXPIRES 10/27/2021		

330175

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II

811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1293 Fax: (505) 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) 478-3480 Fax: (505) 478-3482

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 30-025-47071	Pool Code 97929	Pool Name WC-25 G-06 S213326D; Bone Spring
Property Code 328094 330175	Property Name LOCO DINERO 36 3U STATE COM	Well Number 5H
GRID No. 14187	Operator Name MARSHALL & WINSTON, INC.	Elevation 3656.1'

Surface Location

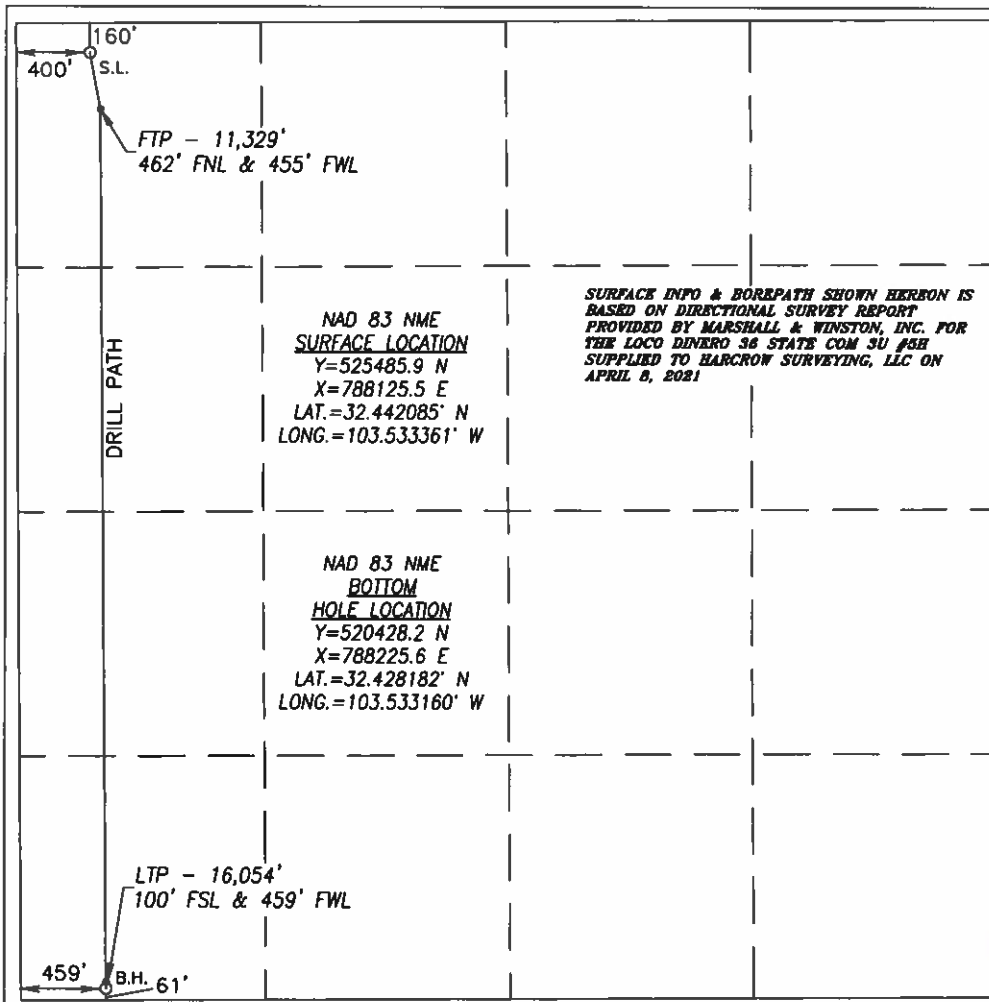
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	21-S	33-E		160	NORTH	400	WEST	LEA

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
M	36	21-S	33-E		61	SOUTH	459	WEST	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



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 unless 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: *[Signature]* Date: 07/28/21

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.

FEB. 26, 2020/MAR. 9, 2021

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Certificate No. CHAD HARCROW 17777
W.O. #21-373 DRAWN BY: WN

Marshall & Winston, Inc.

Loco Dinero 35 State Com 3U #5H
Lea County, NM (NAD83 NME)

Job No. WT-21-022
Rig: Precision 599
As Drilled L1r3



MD 03:50:21 1202/6/28: gindum of paswefel

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP - Loco Dinero 36 St Com 2U #5H - L1r3	11240.00	-301.50	52.30	525184.40	788177.80	32° 36' 28.520 N	103° 31' 59.517 W
LTP - Loco Dinero 36 St Com 2U #5H - L1r3	11269.74	-5018.30	90.28	520467.60	788215.78	32° 25' 41.845 N	103° 31' 59.486 W
PBHL - Loco Dinero 36 St Com 2U #5H - L1r3	11270.00	-5057.80	90.61	520428.10	788216.11	32° 25' 41.454 N	103° 31' 59.485 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	16032.00	92.74	178.65	11287.49	-4996.86	98.75	0.000	0.00	4997.49	
2	16093.00	92.74	178.65	11284.57	-5057.77	100.19	0.000	0.00	5058.41	

SITE DETAILS: Loco Dinero 35 State Com 3U #5H

Site Centre Northing: 525485.90
Easting: 788125.50

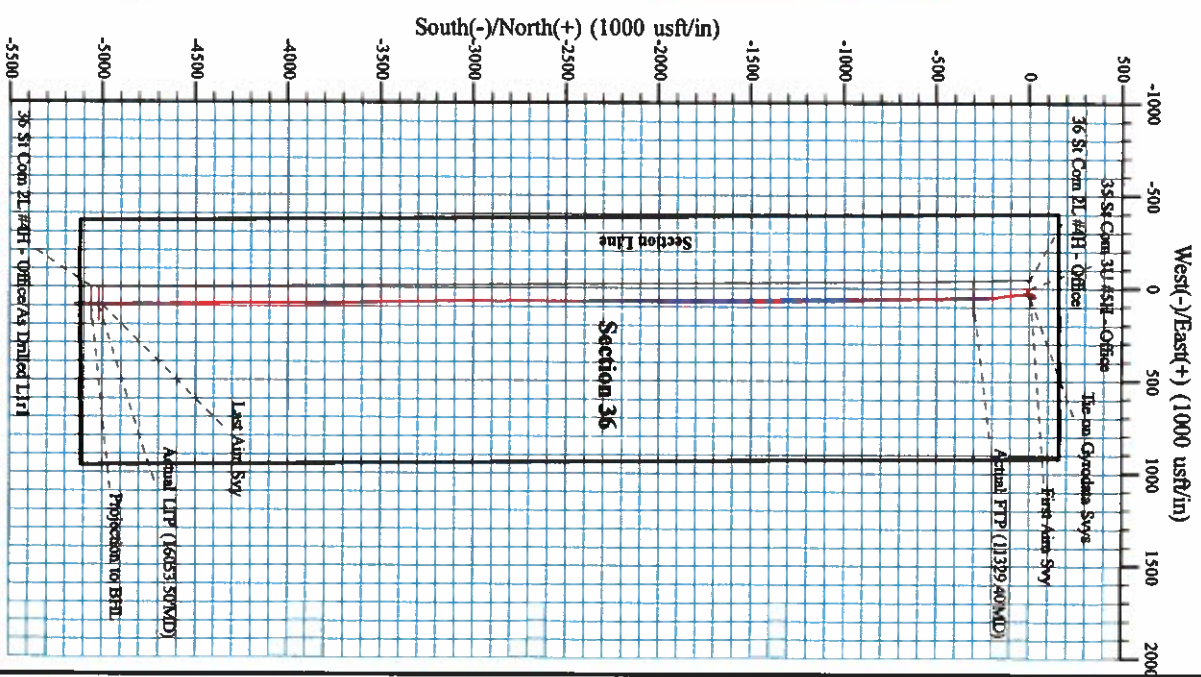
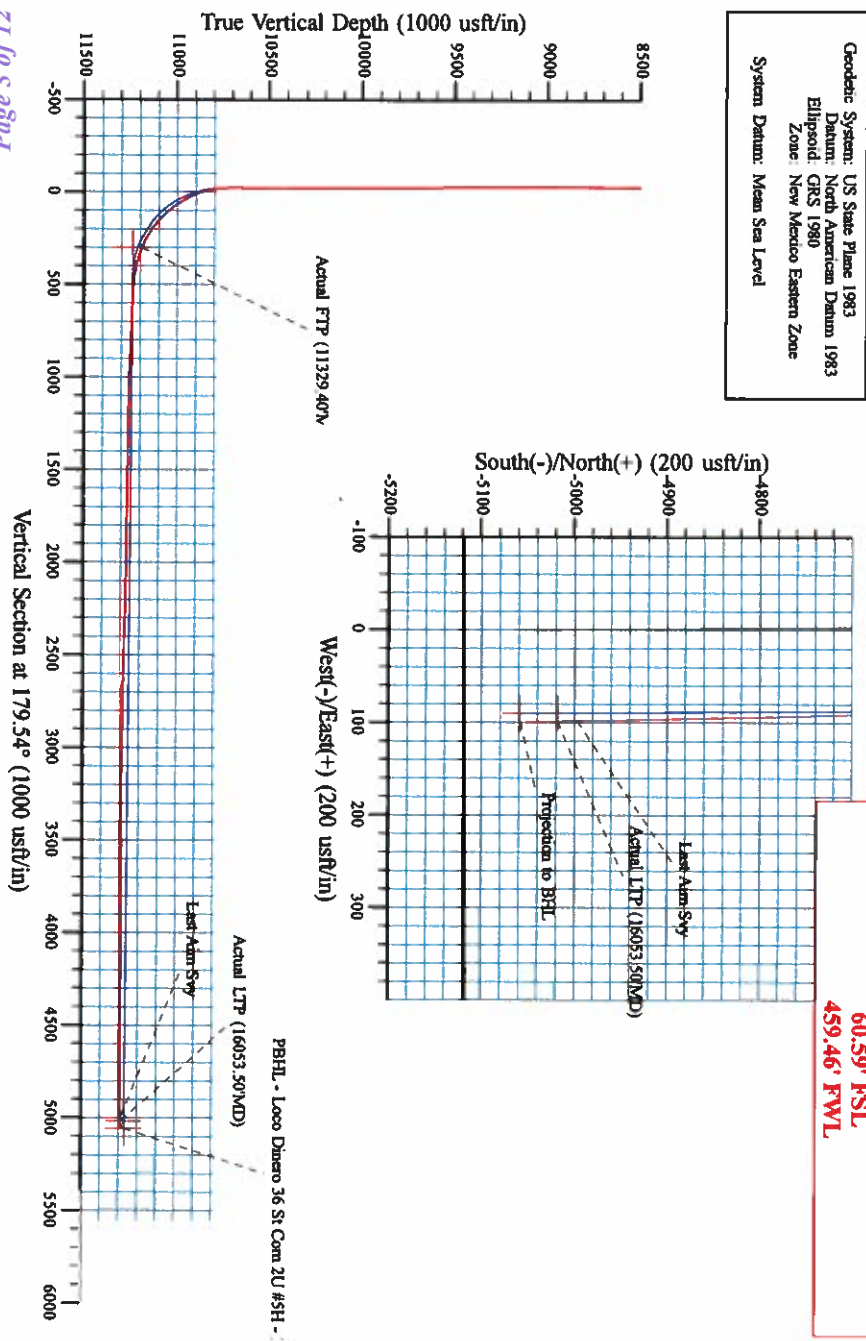
Positional Uncertainty: 0.00
Convergence: 0.43
Local North: Grid

Azimuths to Grid North
True North: -0.43°
Magnetic North: 6.01°
Magnetic Field
Strength: 47908.9nT
Dip Angle: 60.17°
Date: 2/23/2021
Model: MVHD

PROJECT DETAILS: Lea County, NM (NAD83 NME)

Geoid System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

Actual FTP
11329.40' MD 11192.00' TVD
Actual LTP
16053.50' MD 11286.46' TVD
Actual BHL
60.59' FSL
459.46' FWL



Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Well 35 St Com 3U #5H - Office
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Site:	Loco Dinero 35 State Com 3U #5H	MD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Well:	35 St Com 3U #5H - Office	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDMRESTORED

Project	Lea County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Loco Dinero 35 State Com 3U #5H				
Site Position:		Northing:	525,485.90 usft	Latitude:	32° 26' 31.507 N	
From:	Map	Easting:	788,125.50 usft	Longitude:	103° 32' 0.101 W	
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.43 °

Well	35 St Com 3U #5H - Office					
Well Position	+N/-S	0.00 usft	Northing:	525,485.90 usft	Latitude:	32° 26' 31.507 N
	+E/-W	0.00 usft	Easting:	788,125.50 usft	Longitude:	103° 32' 0.101 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,656.10 usft

Wellbore	Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	2/23/2021	6.44	60.17	47,909.886

Design	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.54	

Survey Program	Date 3/18/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	5,400.00	Gyrodata Gyro Svys (Drilling)	GYRO-NS-CT	OWSG XYZ Accel with XY Static and Continuous
5,446.00	16,093.00	Aim MWD Svys (Drilling)	MWD+HDGM	OWSG MWD + HDGM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000
100.00	0.78	26.50	100.00	0.61	0.30	-0.61	0.780	0.780	0.000
200.00	0.73	18.68	199.99	1.82	0.81	-1.82	0.114	-0.050	-7.820
300.00	0.76	23.62	299.98	3.03	1.28	-3.02	0.071	0.030	4.940
400.00	0.38	36.06	399.97	3.91	1.74	-3.89	0.397	-0.380	12.440
500.00	0.28	45.84	499.97	4.35	2.11	-4.33	0.114	-0.100	9.780
600.00	0.18	38.39	599.97	4.64	2.39	-4.62	0.104	-0.100	-7.450
700.00	0.21	43.43	699.97	4.90	2.61	-4.88	0.035	0.030	5.040
800.00	0.06	45.22	799.97	5.07	2.77	-5.04	0.150	-0.150	1.790
900.00	0.05	27.85	899.97	5.14	2.83	-5.12	0.019	-0.010	-17.370

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Well 35 St Com 3U #5H - Office
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Site:	Loco Dinero 35 State Com 3U #5H	MD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Well:	35 St Com 3U #5H - Office	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDMRESTORED

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,000.00	0.16	154.93	999.97	5.05	2.91	-5.03	0.194	0.110	127.080
1,100.00	0.38	198.93	1,099.97	4.61	2.86	-4.59	0.287	0.220	44.000
1,200.00	0.55	201.04	1,199.97	3.85	2.58	-3.83	0.171	0.170	2.110
1,300.00	0.55	197.33	1,299.96	2.95	2.27	-2.93	0.036	0.000	-3.710
1,400.00	0.57	197.64	1,399.96	2.01	1.97	-2.00	0.020	0.020	0.310
1,500.00	0.64	200.44	1,499.95	1.02	1.63	-1.00	0.076	0.070	2.800
1,600.00	0.57	206.39	1,599.95	0.05	1.21	-0.04	0.094	-0.070	5.950
1,700.00	0.61	196.86	1,699.94	-0.91	0.83	0.91	0.106	0.040	-9.530
1,800.00	0.60	174.80	1,799.94	-1.94	0.73	1.94	0.232	-0.010	-22.060
1,900.00	0.70	154.38	1,899.93	-3.01	1.04	3.02	0.251	0.100	-20.420
2,000.00	0.86	148.93	1,999.92	-4.20	1.69	4.22	0.176	0.160	-5.450
2,100.00	0.74	136.03	2,099.91	-5.31	2.53	5.33	0.216	-0.120	-12.900
2,200.00	0.60	138.42	2,199.90	-6.17	3.32	6.19	0.143	-0.140	2.390
2,300.00	0.61	130.61	2,299.90	-6.91	4.07	6.94	0.083	0.010	-7.810
2,400.00	0.34	129.86	2,399.89	-7.44	4.71	7.48	0.270	-0.270	-0.750
2,500.00	0.30	120.29	2,499.89	-7.77	5.16	7.81	0.067	-0.040	-9.570
2,600.00	0.14	118.29	2,599.89	-7.95	5.49	8.00	0.160	-0.160	-2.000
2,700.00	0.31	90.99	2,699.89	-8.02	5.87	8.06	0.196	0.170	-27.300
2,800.00	1.11	83.91	2,799.88	-7.92	7.10	7.98	0.803	0.800	-7.080
2,900.00	1.62	81.12	2,899.85	-7.60	9.46	7.67	0.514	0.510	-2.790
3,000.00	1.81	78.21	2,999.81	-7.06	12.41	7.16	0.209	0.190	-2.910
3,100.00	1.85	78.72	3,099.76	-6.42	15.54	6.54	0.043	0.040	0.510
3,200.00	2.01	78.51	3,199.70	-5.75	18.84	5.91	0.160	0.160	-0.210
3,300.00	2.10	78.67	3,299.64	-5.04	22.35	5.22	0.090	0.090	0.160
3,400.00	1.99	80.91	3,399.57	-4.41	25.86	4.62	0.136	-0.110	2.240
3,500.00	2.01	78.34	3,499.51	-3.78	29.30	4.02	0.092	0.020	-2.570
3,600.00	1.92	85.73	3,599.45	-3.30	32.68	3.57	0.269	-0.090	7.390
3,700.00	1.88	84.04	3,699.40	-3.01	35.99	3.30	0.069	-0.040	-1.690
3,800.00	1.56	81.47	3,799.35	-2.64	38.96	2.95	0.329	-0.320	-2.570
3,900.00	1.43	80.74	3,899.32	-2.23	41.54	2.57	0.131	-0.130	-0.730
4,000.00	1.36	84.20	3,999.29	-1.91	43.95	2.26	0.109	-0.070	3.460
4,100.00	1.40	84.38	4,099.26	-1.67	46.35	2.04	0.040	0.040	0.180
4,200.00	1.42	84.84	4,199.23	-1.44	48.80	1.83	0.023	0.020	0.460
4,300.00	0.76	92.71	4,299.21	-1.36	50.70	1.77	0.675	-0.660	7.870
4,400.00	0.22	15.69	4,399.21	-1.21	51.41	1.62	0.742	-0.540	-77.020
4,500.00	0.16	305.09	4,499.21	-0.94	51.35	1.35	0.225	-0.060	-70.600
4,600.00	0.19	317.00	4,599.21	-0.74	51.12	1.15	0.047	0.030	11.910
4,700.00	0.24	343.70	4,699.21	-0.42	50.95	0.83	0.111	0.050	26.700
4,800.00	0.38	345.42	4,799.21	0.10	50.81	0.30	0.140	0.140	1.720
4,900.00	0.37	349.05	4,899.20	0.74	50.66	-0.33	0.026	-0.010	3.630
5,000.00	0.45	4.76	4,999.20	1.45	50.63	-1.04	0.137	0.080	15.710
5,100.00	0.55	8.85	5,099.20	2.31	50.74	-1.91	0.106	0.100	4.090
5,200.00	0.52	11.87	5,199.19	3.23	50.91	-2.82	0.041	-0.030	3.020

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Well 35 St Com 3U #5H - Office
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
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Well:	35 St Com 3U #5H - Office	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDMRESTORED

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	0.53	4.79	5,299.19	4.14	51.04	-3.73	0.066	0.010	-7.080
5,400.00	0.80	3.10	5,399.18	5.30	51.11	-4.89	0.271	0.270	-1.690
Tie on Gyrodata Svcs									
5,535.00	0.98	353.51	5,534.17	7.38	51.03	-6.97	0.173	0.133	-7.104
First Aim Svy									
5,625.00	0.87	345.55	5,624.15	8.81	50.78	-8.40	0.188	-0.122	-8.844
5,714.00	0.98	347.76	5,713.14	10.21	50.45	-9.80	0.130	0.124	2.483
5,803.00	0.77	351.40	5,802.13	11.54	50.20	-11.14	0.244	-0.236	4.090
5,893.00	0.77	333.38	5,892.12	12.68	49.84	-12.28	0.268	0.000	-20.022
5,982.00	0.59	331.87	5,981.12	13.62	49.35	-13.22	0.203	-0.202	-1.697
6,072.00	0.75	320.82	6,071.11	14.49	48.76	-14.09	0.228	0.178	-12.278
6,161.00	0.56	333.00	6,160.11	15.33	48.20	-14.94	0.264	-0.213	13.685
6,250.00	0.75	320.15	6,249.10	16.16	47.62	-15.78	0.269	0.213	-14.438
6,340.00	0.67	321.89	6,339.09	17.03	46.92	-16.65	0.092	-0.089	1.933
6,429.00	0.77	312.41	6,428.09	17.84	46.16	-17.47	0.174	0.112	-10.652
6,519.00	0.94	311.59	6,518.08	18.74	45.16	-18.37	0.189	0.189	-0.911
6,608.00	0.84	322.98	6,607.07	19.74	44.22	-19.39	0.228	-0.112	12.798
6,698.00	0.89	308.58	6,697.06	20.71	43.28	-20.36	0.247	0.056	-16.000
6,788.00	0.88	305.53	6,787.04	21.54	42.17	-21.20	0.054	-0.011	-3.389
6,877.00	0.96	312.37	6,876.03	22.44	41.06	-22.11	0.153	0.090	7.685
6,967.00	0.77	319.42	6,966.02	23.41	40.11	-23.09	0.242	-0.211	7.833
7,056.00	0.55	331.81	7,055.02	24.24	39.52	-23.92	0.293	-0.247	13.921
7,145.00	0.25	334.77	7,144.01	24.79	39.24	-24.48	0.338	-0.337	3.326
7,235.00	0.39	331.03	7,234.01	25.24	39.00	-24.92	0.157	0.156	-4.156
7,324.00	0.57	351.82	7,323.01	25.94	38.80	-25.63	0.278	0.202	23.360
7,414.00	0.54	317.70	7,413.01	26.70	38.45	-26.39	0.363	-0.033	-37.911
7,503.00	0.54	307.81	7,502.00	27.27	37.83	-26.96	0.105	0.000	-11.112
7,593.00	0.27	347.68	7,592.00	27.73	37.45	-27.43	0.417	-0.300	44.300
7,682.00	0.35	74.79	7,681.00	28.01	37.67	-27.71	0.484	0.090	97.876
7,772.00	0.63	89.59	7,771.00	28.08	38.43	-27.78	0.339	0.311	16.444
7,861.00	0.51	86.74	7,859.99	28.11	39.31	-27.79	0.139	-0.135	-3.202
7,951.00	0.66	87.45	7,949.99	28.16	40.23	-27.83	0.167	0.167	0.789
8,041.00	0.61	90.97	8,039.98	28.17	41.23	-27.84	0.070	-0.056	3.911
8,130.00	0.69	85.86	8,128.98	28.20	42.24	-27.86	0.111	0.090	-5.742
8,220.00	0.94	111.28	8,218.97	27.97	43.47	-27.62	0.482	0.278	28.244
8,310.00	0.99	124.14	8,308.95	27.27	44.80	-26.91	0.246	0.056	14.289
8,399.00	0.69	84.94	8,397.94	26.88	45.97	-26.51	0.708	-0.337	-44.045
8,489.00	0.98	58.37	8,487.94	27.34	47.16	-26.96	0.529	0.322	-29.522
8,578.00	0.92	50.95	8,576.92	28.19	48.37	-27.80	0.154	-0.067	-8.337
8,668.00	0.62	50.83	8,666.91	28.95	49.30	-28.55	0.333	-0.333	-0.133
8,757.00	0.45	33.79	8,755.91	29.54	49.87	-29.14	0.260	-0.191	-19.146
8,847.00	0.32	33.46	8,845.91	30.05	50.21	-29.64	0.144	-0.144	-0.367
8,936.00	0.35	336.61	8,934.91	30.50	50.24	-30.10	0.360	0.034	-63.876
9,025.00	0.26	273.65	9,023.91	30.77	49.93	-30.36	0.368	-0.101	-70.741

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Well 35 St Corn 3U #5H - Office
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Site:	Loco Dinero 35 State Corn 3U #5H	MD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Well:	35 St Corn 3U #5H - Office	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDMRESTORED

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,116.00	0.72	268.46	9,114.90	30.76	49.15	-30.37	0.507	0.505	-5.703
9,205.00	1.24	283.28	9,203.89	30.97	47.65	-30.59	0.645	0.584	16.652
9,295.00	0.60	264.51	9,293.88	31.15	46.24	-30.78	0.777	-0.711	-20.856
9,384.00	0.82	200.39	9,382.87	30.51	45.55	-30.14	0.872	0.247	-72.045
9,474.00	1.63	195.96	9,472.85	28.67	44.97	-28.31	0.905	0.900	-4.922
9,563.00	1.25	202.48	9,561.82	26.56	44.25	-26.20	0.464	-0.427	7.326
9,653.00	0.94	212.30	9,651.81	25.03	43.48	-24.68	0.401	-0.344	10.911
9,742.00	1.57	215.66	9,740.78	23.42	42.38	-23.08	0.712	0.708	3.775
9,832.00	0.60	243.15	9,830.77	22.20	41.24	-21.87	1.193	-1.078	30.544
9,921.00	0.83	299.52	9,919.76	22.31	40.27	-21.99	0.792	0.258	63.337
10,011.00	0.98	283.04	10,009.75	22.81	38.95	-22.49	0.332	0.167	-18.311
10,100.00	0.57	244.00	10,098.74	22.78	37.81	-22.48	0.726	-0.461	-43.865
10,190.00	0.80	217.40	10,188.74	22.09	37.03	-21.79	0.430	0.256	-29.555
10,280.00	1.13	216.98	10,278.72	20.88	36.11	-20.59	0.367	0.367	-0.467
10,369.00	0.60	224.26	10,367.71	19.85	35.26	-19.56	0.607	-0.596	8.180
10,458.00	0.68	267.20	10,456.71	19.49	34.41	-19.21	0.533	0.090	48.247
10,548.00	1.25	301.68	10,546.70	19.98	33.04	-19.71	0.877	0.633	38.311
10,637.00	1.34	303.79	10,635.67	21.06	31.35	-20.81	0.114	0.101	2.371
10,686.00	1.36	305.03	10,684.66	21.72	30.39	-21.47	0.072	0.041	2.531
10,731.00	2.10	224.75	10,729.64	21.44	29.38	-21.20	5.113	1.644	-178.400
10,776.00	6.67	194.22	10,774.51	18.32	28.15	-18.09	11.058	10.156	-67.844
10,820.00	11.44	186.33	10,817.95	11.50	27.04	-11.28	11.177	10.841	-17.932
10,865.00	16.29	179.75	10,861.62	0.75	26.58	-0.53	11.316	10.778	-14.622
10,910.00	22.51	176.56	10,904.05	-14.18	27.12	14.40	14.016	13.822	-7.089
10,955.00	27.62	173.01	10,944.80	-33.15	28.91	33.38	11.832	11.356	-7.889
10,999.00	31.72	173.85	10,983.02	-54.78	31.39	55.03	9.366	9.318	1.909
11,044.00	36.68	174.19	11,020.23	-79.93	34.02	80.20	11.030	11.022	0.756
11,089.00	41.10	171.82	11,055.25	-107.95	37.49	108.25	10.362	9.822	-5.267
11,134.00	46.29	171.02	11,087.78	-138.68	42.14	139.01	11.598	11.533	-1.778
11,179.00	52.14	171.74	11,117.16	-172.35	47.23	172.73	13.056	13.000	1.600
11,223.00	56.10	174.02	11,142.94	-207.72	51.63	208.13	9.930	9.000	5.182
11,268.00	61.51	175.72	11,166.24	-246.05	55.05	246.48	12.448	12.022	3.778
11,313.00	67.01	178.71	11,185.78	-286.51	57.00	286.96	13.607	12.222	6.644
11,329.40	68.40	179.08	11,192.00	-301.68	57.29	302.13	8.712	8.463	2.236
Actual FTP (11329.40'MD)									
11,358.00	70.82	179.70	11,201.97	-328.49	57.58	328.94	8.712	8.469	2.179
11,402.00	75.39	180.17	11,214.75	-370.58	57.62	371.03	10.436	10.386	1.068
11,447.00	78.10	180.09	11,225.07	-414.37	57.52	414.82	6.025	6.022	-0.178
11,492.00	82.76	180.08	11,232.55	-458.74	57.46	459.18	10.356	10.356	-0.022
11,582.00	88.27	179.94	11,239.58	-548.42	57.44	548.87	6.124	6.122	-0.156
11,671.00	89.25	179.24	11,241.51	-637.40	58.08	637.85	1.353	1.101	-0.787
11,761.00	87.57	178.83	11,244.01	-727.35	59.59	727.80	1.921	-1.867	-0.456
11,851.00	86.59	177.84	11,248.59	-817.19	62.20	817.67	1.547	-1.089	-1.100

Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Well 35 St Com 3U #5H - Office
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Site:	Loco Dinero 35 State Com 3U #5H	MD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Well:	35 St Com 3U #5H - Office	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDMRESTORED

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,940.00	88.22	178.21	11,252.62	-906.05	65.27	906.54	1.878	1.831	0.416
12,030.00	88.61	177.56	11,255.11	-995.95	68.59	996.47	0.842	0.433	-0.722
12,120.00	88.25	178.95	11,257.58	-1,085.87	71.33	1,086.41	1.595	-0.400	1.544
12,209.00	89.17	178.89	11,259.58	-1,174.83	73.01	1,175.38	1.036	1.034	-0.067
12,299.00	90.01	178.81	11,260.22	-1,264.81	74.81	1,265.37	0.938	0.933	-0.089
12,388.00	88.98	180.59	11,261.01	-1,353.80	75.28	1,354.36	2.311	-1.157	2.000
12,478.00	88.89	180.39	11,262.68	-1,443.78	74.51	1,444.33	0.244	-0.100	-0.222
12,567.00	89.29	179.90	11,264.10	-1,532.77	74.28	1,533.32	0.711	0.449	-0.551
12,657.00	89.73	179.26	11,264.86	-1,622.76	74.94	1,623.31	0.863	0.489	-0.711
12,746.00	88.84	180.03	11,265.98	-1,711.75	75.49	1,712.30	1.322	-1.000	0.865
12,836.00	88.78	179.93	11,267.84	-1,801.73	75.53	1,802.28	0.130	-0.067	-0.111
12,925.00	89.18	179.31	11,269.43	-1,890.72	76.12	1,891.27	0.829	0.449	-0.697
13,014.00	89.51	179.57	11,270.45	-1,979.71	76.99	1,980.26	0.472	0.371	0.292
13,103.00	90.60	180.02	11,270.36	-2,068.70	77.30	2,069.26	1.325	1.225	0.506
13,193.00	89.06	179.74	11,270.63	-2,158.70	77.49	2,159.25	1.739	-1.711	-0.311
13,283.00	87.69	180.79	11,273.18	-2,248.66	77.08	2,249.21	1.918	-1.522	1.167
13,372.00	87.69	181.02	11,276.77	-2,337.58	75.67	2,338.11	0.258	0.000	0.258
13,462.00	88.08	181.17	11,280.09	-2,427.50	73.95	2,428.02	0.464	0.433	0.167
13,551.00	88.45	180.94	11,282.78	-2,516.44	72.32	2,516.94	0.489	0.416	-0.258
13,673.00	89.28	180.20	11,285.20	-2,638.41	71.10	2,638.90	0.911	0.680	-0.607
13,762.00	89.65	179.87	11,286.03	-2,727.41	71.05	2,727.89	0.557	0.416	-0.371
13,852.00	90.15	178.61	11,286.19	-2,817.40	72.24	2,817.89	1.506	0.556	-1.400
13,942.00	89.09	180.59	11,286.79	-2,907.39	72.87	2,907.88	2.495	-1.178	2.200
14,031.00	88.81	180.62	11,288.42	-2,996.37	71.93	2,996.85	0.316	-0.315	0.034
14,121.00	88.98	179.84	11,290.15	-3,086.35	71.57	3,086.82	0.887	0.189	-0.867
14,210.00	89.37	179.08	11,291.43	-3,175.34	72.41	3,175.81	0.960	0.438	-0.854
14,300.00	89.79	178.84	11,292.09	-3,265.32	74.04	3,265.81	0.537	0.467	-0.267
14,389.00	90.27	178.26	11,292.05	-3,354.29	76.29	3,354.79	0.846	0.539	-0.652
14,479.00	91.08	177.79	11,290.99	-3,444.23	79.40	3,444.75	1.041	0.900	-0.522
14,568.00	90.18	178.54	11,290.01	-3,533.18	82.24	3,533.72	1.316	-1.011	0.843
14,658.00	90.07	178.53	11,289.81	-3,623.15	84.55	3,623.71	0.123	-0.122	-0.011
14,747.00	89.93	179.55	11,289.81	-3,712.13	86.04	3,712.70	1.157	-0.157	1.146
14,837.00	89.76	179.68	11,290.05	-3,802.13	86.64	3,802.70	0.238	-0.189	0.144
14,927.00	90.72	179.34	11,289.68	-3,892.12	87.41	3,892.70	1.132	1.067	-0.378
15,016.00	89.54	180.20	11,289.48	-3,981.12	87.77	3,981.70	1.641	-1.326	0.966
15,105.00	89.48	180.38	11,290.24	-4,070.12	87.32	4,070.69	0.213	-0.067	0.202
15,195.00	89.62	180.43	11,290.94	-4,160.11	86.68	4,160.67	0.165	0.156	0.056
15,284.00	90.69	179.82	11,290.70	-4,249.11	86.49	4,249.67	1.384	1.202	-0.685
15,374.00	89.01	179.90	11,290.94	-4,339.11	86.71	4,339.66	1.869	-1.867	0.089
15,464.00	88.98	179.64	11,292.52	-4,429.09	87.07	4,429.65	0.291	-0.033	-0.289
15,553.00	89.42	179.18	11,293.76	-4,518.08	87.99	4,518.64	0.715	0.494	-0.517
15,643.00	90.01	178.77	11,294.21	-4,608.06	89.60	4,608.63	0.798	0.656	-0.456
15,732.00	90.55	178.44	11,293.77	-4,697.03	91.76	4,697.62	0.711	0.607	-0.371

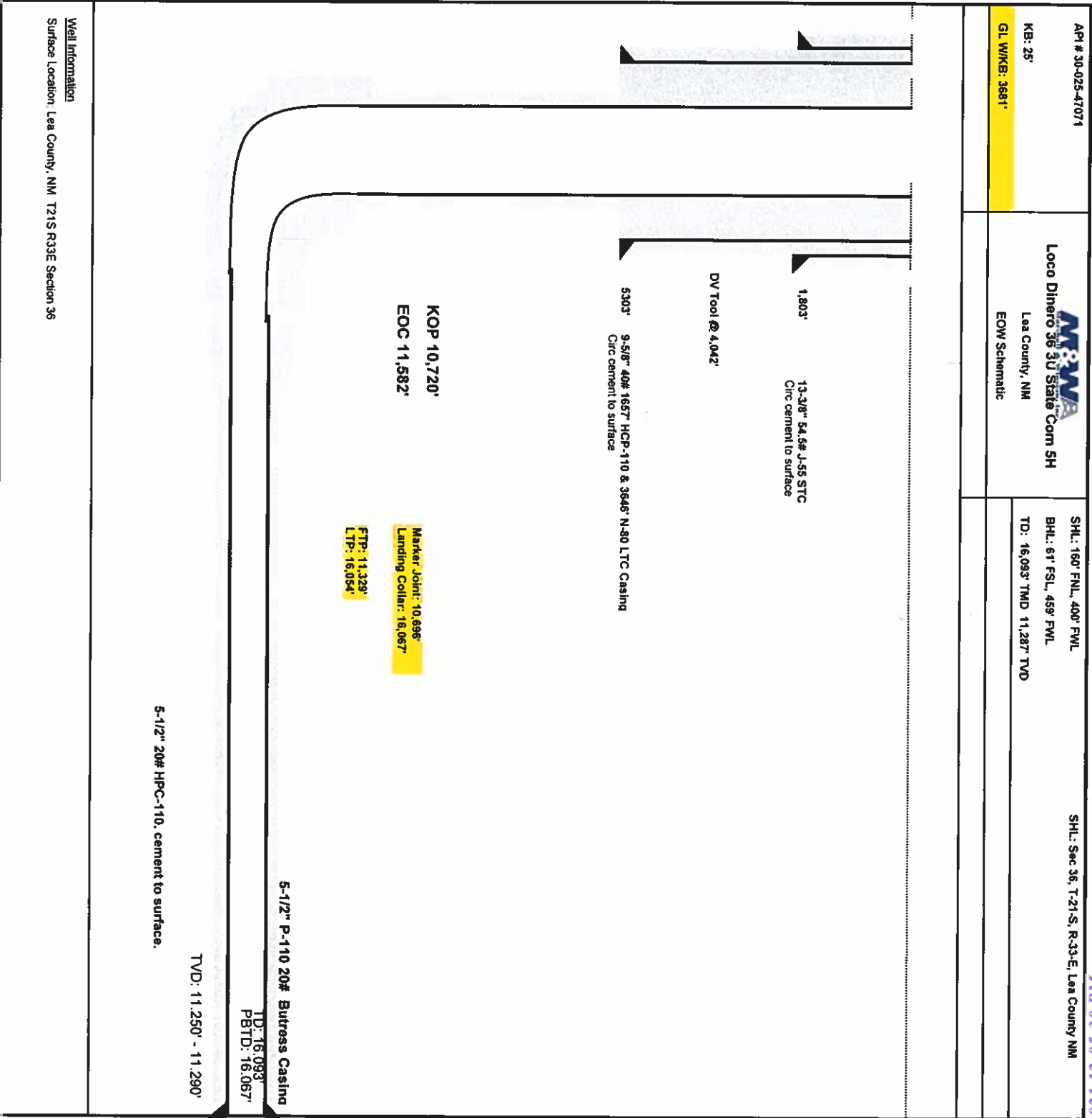
Survey Report

Company:	Marshall & Winston, Inc.	Local Co-ordinate Reference:	Well 35 St Com 3U #5H - Office
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Site:	Loco Dinero 35 State Com 3U #5H	MD Reference:	Well @ 3681.10usft (Precision 599 25'KB)
Well:	35 St Com 3U #5H - Office	North Reference:	Grid
Wellbore:	Drilling	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDMRESTORED

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Buird Rate (°/100ft)	Turn Rate (°/100ft)
15,822.00	90.32	178.81	11,293.09	-4,787.00	93.92	4,787.60	0.484	-0.256	0.411
15,911.00	91.27	178.48	11,291.85	-4,875.97	96.03	4,876.58	1.130	1.067	-0.371
16,001.00	92.49	178.89	11,288.90	-4,965.90	98.09	4,966.52	1.430	1.356	0.456
16,032.00	92.74	178.65	11,287.49	-4,996.86	98.75	4,997.49	1.117	0.806	-0.774
Last Alm Svy									
16,053.50	92.74	178.65	11,286.46	-5,018.33	99.26	5,018.96	0.000	0.000	0.000
Actual LTP (16053.50'MD)									
16,093.00	92.74	178.65	11,284.57	-5,057.77	100.19	5,058.41	0.000	0.000	0.000
Projection to BHL									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,400.00	5,399.18	5.30	51.11	Tie on Gyrodata Svys
5,535.00	5,534.17	7.38	51.03	First Aim Svy
11,329.40	11,192.00	-301.68	57.29	Actual FTP (11329.40'MD)
16,032.00	11,287.49	-4,996.86	98.75	Last Aim Svy
16,053.50	11,286.46	-5,018.33	99.26	Actual LTP (16053.50'MD)
16,093.00	11,284.57	-5,057.77	100.19	Projection to BHL

Checked By: _____	Approved By: _____	Date: _____
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Well Information
Surface Location Lea County, NM T21S R33E Section 36

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 38788

ACKNOWLEDGMENTS

Operator: MARSHALL & WINSTON INC P.O. Box 50880 Midland, TX 79710	OGRID: 14187
	Action Number: 38788
	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
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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 38788

CONDITIONS

Operator: MARSHALL & WINSTON INC P.O. Box 50880 Midland, TX 79710	OGRID: 14187
	Action Number: 38788
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	RT C-104 EXPIRES 10/27/2021; Submit all drilling, casing, completion sundries/reports.	8/2/2021