

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

HOBBS OCD

MAY 13 2014

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-41856	Pool Code 96781	Pool Name WC-025 G-09 5213335I; WC
Property Code	Property Name LOCO DINERO 36	Well Number 2H
OGRID No. 19187	Operator Name MARSHAL & WINSTON, INC	Elevation 3644'

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	36	21-S	33-E		330	NORTH	660	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	36	21-S	33-E		330	SOUTH	660	EAST	LEA

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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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

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=525281.9 N X=751166.1 E LAT.=32.441481° N LONG.=103.519193° W BOTTOM HOLE LOCATION Y=520660.2 N X=751201.4 E CORNER COORDINATES TABLE <table> <tr> <td>A</td><td>-</td><td>Y=525607.5 N, X=750502.6 E</td></tr> <tr> <td>B</td><td>-</td><td>Y=525616.2 N, X=751823.6 E</td></tr> <tr> <td>C</td><td>-</td><td>Y=520326.6 N, X=750544.8 E</td></tr> <tr> <td>D</td><td>-</td><td>Y=520334.1 N, X=751864.0 E</td></tr> </table>	A	-	Y=525607.5 N, X=750502.6 E	B	-	Y=525616.2 N, X=751823.6 E	C	-	Y=520326.6 N, X=750544.8 E	D	-	Y=520334.1 N, X=751864.0 E	GRID AZ.=179°33'38" HORIZ. DIST.=4622.8'	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. <i>Vernon D. Dyer</i> 5-12-2014 Signature Date VERNON D. DYER Printed Name <i>vdyeo@cablone.net</i> 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. APRIL 24, 2014 Date of Survey Signature & Seal of Professional Surveyor: RONALD J. EIDSON NEW MEXICO 3239 REG. SURV. 6/2014 Certificate Number: Gary G. Eidson 12641 Ronald J. Eidson 3239 ACK JWSC W.O.: 14.11.0462
A	-	Y=525607.5 N, X=750502.6 E												
B	-	Y=525616.2 N, X=751823.6 E												
C	-	Y=520326.6 N, X=750544.8 E												
D	-	Y=520334.1 N, X=751864.0 E												

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Marshall & Winston, Inc

Lea County, NM

Sec 36,T21-S, R33-E

Loco Dinero 36 #2H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

01 February, 2013



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Loco Dinero 36 #4H
Company:	Marshall & Winston, Inc	TVD Reference:	WELL @ 3654.0usft (Original Well Elev)
Project:	Lea County, NM	MD Reference:	WELL @ 3654.0usft (Original Well Elev)
Site:	Sec 36,T21-S, R33-E	North Reference:	Grid
Well:	Loco Dinero 36 #4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Lea County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Sec 36,T21-S, R33-E				
Site Position:		Northing:	525,264.50 usft	Latitude:	32° 26' 29.359 N
From:	Map	Easting:	748,523.20 usft	Longitude:	103° 31' 39.934 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.43 °

Well	Loco Dinero 36 #1H					
Well Position	+N/-S	0.0 usft	Northing:	525,264.50 usft	Latitude:	32° 26' 29.359 N
	+E/-W	0.0 usft	Easting:	748,523.20 usft	Longitude:	103° 31' 39.934 W
Position Uncertainty	0.0 usft		Wellhead Elevation:		Ground Level:	3,654.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/1/2013	7.38	60.36	48,587

Design Design #1

Audit Notes:

Version:	Phase:	PLAN	Tie On Depth:	0.0
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Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.53

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
11,522.5	0.00	0.00	11,522.5	0.0	0.0	0.00	0.00	0.00	0.00	
12,272.5	90.00	179.53	12,000.0	-477.4	3.9	12.00	12.00	23.94	179.53	
16,414.4	90.00	179.53	12,000.0	-4,619.2	37.9	0.00	0.00	0.00	0.00	PBHL Loco Dinero

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Loco Dinero 36 #2H
Company:	Marshall & Winston, Inc	TVD Reference:	WELL @ 3654.0usft (Original Well Elev)
Project:	Lea County, NM	MD Reference:	WELL @ 3654.0usft (Original Well Elev)
Site:	Sec 36,T21-S, R33-E	North Reference:	Grid
Well:	Loco Dinero 36 #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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)
Build 12° / 100'									
11,522.5	0.00	0.00	11,522.5	0.0	0.0	0.0	0.00	0.00	0.00
11,600.0	9.30	179.53	11,599.7	-6.3	0.1	6.3	12.00	12.00	0.00
11,700.0	21.30	179.53	11,695.9	-32.6	0.3	32.6	12.00	12.00	0.00
11,800.0	33.30	179.53	11,784.6	-78.4	0.6	78.4	12.00	12.00	0.00
11,900.0	45.30	179.53	11,861.9	-141.6	1.2	141.6	12.00	12.00	0.00
12,000.0	57.30	179.53	11,924.3	-219.5	1.8	219.5	12.00	12.00	0.00
12,100.0	69.30	179.53	11,969.1	-308.7	2.5	308.7	12.00	12.00	0.00
12,200.0	81.30	179.53	11,994.5	-405.2	3.3	405.2	12.00	12.00	0.00
EOB @ 90° Inc / 179.53° Azm / 12000' TVD									
12,272.5	90.00	179.53	12,000.0	-477.4	3.9	477.5	12.00	12.00	0.00
12,300.0	90.00	179.53	12,000.0	-504.9	4.1	505.0	0.00	0.00	0.00
12,400.0	90.00	179.53	12,000.0	-604.9	5.0	605.0	0.00	0.00	0.00
12,500.0	90.00	179.53	12,000.0	-704.9	5.8	705.0	0.00	0.00	0.00
12,600.0	90.00	179.53	12,000.0	-804.9	6.6	805.0	0.00	0.00	0.00
12,700.0	90.00	179.53	12,000.0	-904.9	7.4	905.0	0.00	0.00	0.00
12,800.0	90.00	179.53	12,000.0	-1,004.9	8.2	1,005.0	0.00	0.00	0.00
12,900.0	90.00	179.53	12,000.0	-1,104.9	9.1	1,105.0	0.00	0.00	0.00
13,000.0	90.00	179.53	12,000.0	-1,204.9	9.9	1,205.0	0.00	0.00	0.00
13,100.0	90.00	179.53	12,000.0	-1,304.9	10.7	1,305.0	0.00	0.00	0.00
13,200.0	90.00	179.53	12,000.0	-1,404.9	11.5	1,405.0	0.00	0.00	0.00
13,300.0	90.00	179.53	12,000.0	-1,504.9	12.3	1,505.0	0.00	0.00	0.00
13,400.0	90.00	179.53	12,000.0	-1,604.9	13.2	1,605.0	0.00	0.00	0.00
13,500.0	90.00	179.53	12,000.0	-1,704.9	14.0	1,705.0	0.00	0.00	0.00
13,600.0	90.00	179.53	12,000.0	-1,804.9	14.8	1,805.0	0.00	0.00	0.00
13,700.0	90.00	179.53	12,000.0	-1,904.9	15.6	1,905.0	0.00	0.00	0.00
13,800.0	90.00	179.53	12,000.0	-2,004.9	16.4	2,005.0	0.00	0.00	0.00
13,900.0	90.00	179.53	12,000.0	-2,104.9	17.3	2,105.0	0.00	0.00	0.00
14,000.0	90.00	179.53	12,000.0	-2,204.9	18.1	2,205.0	0.00	0.00	0.00
14,100.0	90.00	179.53	12,000.0	-2,304.9	18.9	2,305.0	0.00	0.00	0.00
14,200.0	90.00	179.53	12,000.0	-2,404.9	19.7	2,405.0	0.00	0.00	0.00
14,300.0	90.00	179.53	12,000.0	-2,504.9	20.6	2,505.0	0.00	0.00	0.00
14,400.0	90.00	179.53	12,000.0	-2,604.9	21.4	2,605.0	0.00	0.00	0.00
14,500.0	90.00	179.53	12,000.0	-2,704.9	22.2	2,705.0	0.00	0.00	0.00
14,600.0	90.00	179.53	12,000.0	-2,804.9	23.0	2,805.0	0.00	0.00	0.00
14,700.0	90.00	179.53	12,000.0	-2,904.9	23.8	2,905.0	0.00	0.00	0.00
14,800.0	90.00	179.53	12,000.0	-3,004.9	24.7	3,005.0	0.00	0.00	0.00
14,900.0	90.00	179.53	12,000.0	-3,104.9	25.5	3,105.0	0.00	0.00	0.00
15,000.0	90.00	179.53	12,000.0	-3,204.9	26.3	3,205.0	0.00	0.00	0.00
15,100.0	90.00	179.53	12,000.0	-3,304.9	27.1	3,305.0	0.00	0.00	0.00
15,200.0	90.00	179.53	12,000.0	-3,404.9	27.9	3,405.0	0.00	0.00	0.00
15,300.0	90.00	179.53	12,000.0	-3,504.8	28.8	3,505.0	0.00	0.00	0.00
15,400.0	90.00	179.53	12,000.0	-3,604.8	29.6	3,605.0	0.00	0.00	0.00
15,500.0	90.00	179.53	12,000.0	-3,704.8	30.4	3,705.0	0.00	0.00	0.00
15,600.0	90.00	179.53	12,000.0	-3,804.8	31.2	3,805.0	0.00	0.00	0.00
15,700.0	90.00	179.53	12,000.0	-3,904.8	32.0	3,905.0	0.00	0.00	0.00
15,800.0	90.00	179.53	12,000.0	-4,004.8	32.9	4,005.0	0.00	0.00	0.00
15,900.0	90.00	179.53	12,000.0	-4,104.8	33.7	4,105.0	0.00	0.00	0.00
16,000.0	90.00	179.53	12,000.0	-4,204.8	34.5	4,205.0	0.00	0.00	0.00
16,100.0	90.00	179.53	12,000.0	-4,304.8	35.3	4,305.0	0.00	0.00	0.00
16,200.0	90.00	179.53	12,000.0	-4,404.8	36.1	4,405.0	0.00	0.00	0.00
16,300.0	90.00	179.53	12,000.0	-4,504.8	37.0	4,505.0	0.00	0.00	0.00
16,400.0	90.00	179.53	12,000.0	-4,604.8	37.8	4,605.0	0.00	0.00	0.00

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Site:	Sec 36,T21-S, R33-E	North Reference:	Grid
Well:	Loco Dinero 36 #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

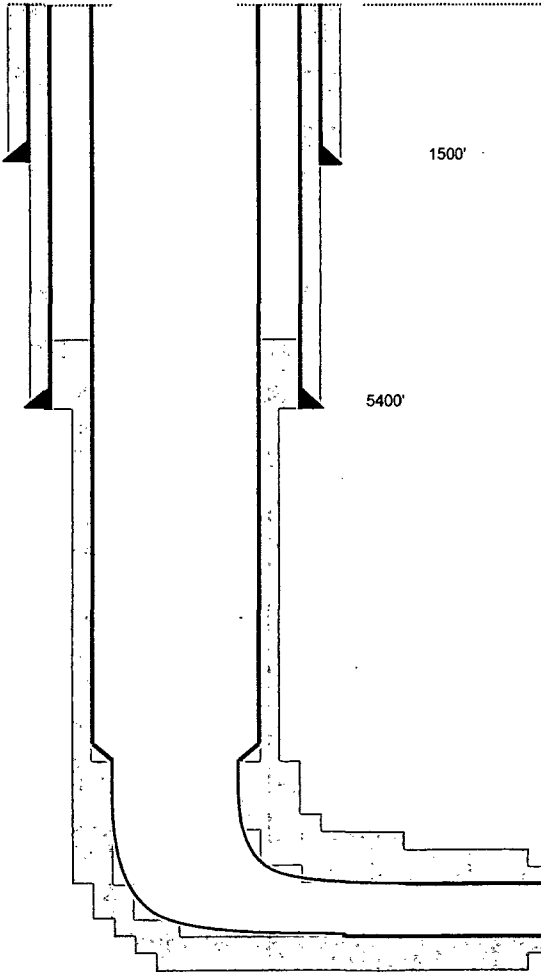
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
TD @ 16414' MD / 12000' TVD									
16,414.4	90.00	179.53	12,000.0	-4,619.2	37.9	4,619.4	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL Loco Dinero 36	0.00	0.00	12,000.0	-4,619.2	37.9	520,645.30	748,561.10	32° 25' 43.649 N	103° 31' 39.898 W
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,522.5	11,522.5	0.0	0.0	Build 12° / 100'
12,272.5	12,000.0	-477.4	3.9	EOB @ 90° Inc / 179.53° Azm / 12000' TVD
16,414.4	12,000.0	-4,619.2	37.9	TD @ 16414' MD / 12000' TVD

AFE No. API # 30- Permit No. Project No.	 Loco Dinero 36 - 2H Lea County, NM Proposed Wellbore Sketch	AFE Information Dry Hole: Days: TD: 13,885' TMD 9,466' TVD v
 Drill 17.5" Hole with 8.4-8.6 Spud Mud 13-3/8" 54.5# J-55 STC Surface at 1500' Cement to surface Drill out with 12-1/4" Bit with 10# Salt Saturated Water TOC 3350 Run '9-5/8" 40# N-80 LTC Casing at 5400' to surface. Cement to surface Drill with 8-3/4" to KOP with 8.4# - 9.5# Cut Brine Vis 28-29 and Water Loss no greater than 12 Kick off with 8-3/4" bit at about 9022' Land Curve at 9921' TMD 9529' TVD. Drill out with 8-3/4" bit to TD Run 7" 26# P-110 from surface to 8919' and Xover sub from 8919-8921. 5-1/2" 17# P-110 from TD to 8921. and cement to 3350'. 5-1/2" P-110 17# Butress Casing TMD 13885' TVD: 9466' PBD: 13835'		
<u>Well Information</u> Surface Location: Lea County, NM T19S R32E Section 3		