

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.
NM 0455265

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Marshall & Winston, Inc.

3a. Address
P.O. Box 50880
Midland, TX 79710-0880

3b. Phone No. (include area code)
432-684-6373

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Angel Ranch Fed Com 11

9. API Well No.
1H 30-015-40147

10. Field and Pool or Exploratory Area
Wildcat Bone Spring C 964037

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL 330' FSL & 660' FWL Section 11 T20S R27E
BHL 330' FSL & 330' FEL Section 11 T20S R27E

11. County or Parish, State
Eddy, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other _____
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

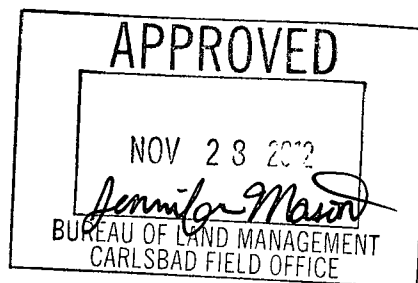
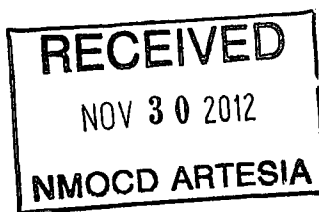
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

In order to allow Mewburne room to drill an east to west horizontal well in the north part of the section, we would like to change the bottom hole location (BHL) as follows: 330' FSL & 330' FWL in Section 11 T20S R27E.

We have attached the New Survey plat and new directional plan.

Accepted for record
NMOCD

105
12/3/2012



14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Gabe D. Herrera

Title Engineer

Signature

Date 11/19/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on page 2)

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 Huerfano 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

RECEIVED

NOV 30 2012

NM OCD ARTESIA

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40147	Pool Code 96403	Pool Name WC; B.S.
Property Code	Property Name ANGEL RANCH FEDERAL COM 11	Well Number 1H
OGRID No.	Operator Name MARSHALL & WINSTON, INC.	Elevation 3371'

Surface Location

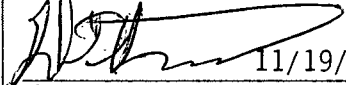
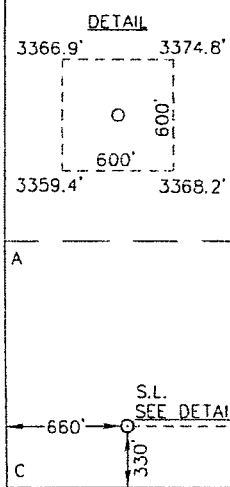
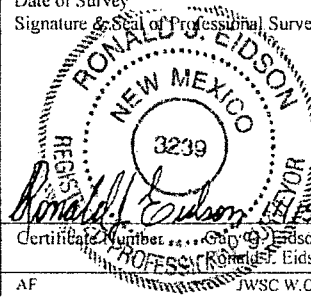
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	11	20-S	27-E		330	SOUTH	660	WEST	EDDY

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	11	20-S	27-E		330	SOUTH	330	EAST	EDDY

Dedicated Acres	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

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=575286.2 N X=523349.3 E BOTTOM HOLE LOCATION Y=575243.0 N X=527650.1 E CORNER COORDINATES TABLE A - Y=576278.6 N, X=522704.7 E B - Y=576234.9 N, X=527985.7 E C - Y=574953.2 N, X=522684.3 E D - Y=574905.7 N, X=527978.1 E GRID: AZ.=90°34'27" HORIZ. DIST.=4302.1'		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 Date 11/19/12 Gabriel Herrera Printed Name gherrera@mar-win.com E-mail Address
DETAIL  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. AUGUST 24, 2011 Date of Survey Signature & Seal of Professional Surveyor:  Certificate Number 3239 Name Ronald S. Eidson Title Professional Surveyor JWSC W.O. 12.13.1880		



PHOENIX
TECHNOLOGY SERVICES



Marshall & Winston Inc.

Eddy County, NM (Nad27)
Angel Ranch Federal Com 11
Angel Ranch Fed Com 11 1H
Job # 1211118

Plan: Plan #2 11-16-2012

Marshal & Winston Planning Report

16 November, 2012





Marshal & Winston Planning Report



Company:	Marshall & Winston Inc.	Local Co-ordinate Reference:	Well Angel Ranch Fed Com 11 1H
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3390.00usft (Original Well Elev + 19' KB)
Site:	Angel Ranch Federal Com 11	MD Reference:	WELL @ 3390.00usft (Original Well Elev + 19' KB)
Well:	Angel Ranch Fed Com 11 1H	North Reference:	Grid
Wellbore:	Job # 1211118	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2 11-16-2012	Database:	Compass5000

Project	Eddy County, NM (Nad27)		
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	Angel Ranch Federal Com 11		
Site Position:		Northing:	575,286.20 usft
From:	Map	Easting:	523,349.30 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 34' 53.5625 N
		Longitude:	104° 15' 27.1058 W
		Grid Convergence:	0.04 °

Well		Angel Ranch Fed Com 11 1H				
Well Position	+N/-S	0.00 usft	Northing:	575,286.20 usft	Latitude:	32° 34' 53.5625 N
	+E/-W	0.00 usft	Easting:	523,349.30 usft	Longitude:	104° 15' 27.1058 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	19.00 usft	Ground Level:	3,371.00 usft	

Wellbore	Job # 1211118				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	09/26/11	7.89	60.39	48,727

Design	Plan #2 11-16-2012			
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	90.58

Survey Tool/Program	Date 11/16/12			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	10,296.09	Plan #2 11-16-2012 (Job # 1211118)	MWD	MWD - Standard



Marshal & Winston Planning Report



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Well:	Angel Ranch Fed Com 11 1H	North Reference:	Grid
Wellbore:	Job # 1211118	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2 11-16-2012	Database:	Compass5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	3,390.00	0.00	0.00	0.00	0.00	0.00	575,286.20	523,349.30
5,722.54	0.00	0.00	-2,332.54	5,722.54	0.00	0.00	0.00	0.00	575,286.20	523,349.30
KOP Build @ 12°/100'										
5,760.00	4.50	90.58	-2,369.96	5,759.96	-0.01	1.47	1.47	12.00	575,286.19	523,350.77
5,850.00	15.30	90.58	-2,458.49	5,848.49	-0.17	16.91	16.91	12.00	575,286.03	523,366.21
5,940.00	26.10	90.58	-2,542.56	5,932.56	-0.49	48.67	48.67	12.00	575,285.71	523,397.97
6,030.00	36.90	90.58	-2,619.19	6,009.19	-0.96	95.62	95.62	12.00	575,285.24	523,444.92
6,120.00	47.70	90.58	-2,685.66	6,075.66	-1.57	156.09	156.10	12.00	575,284.63	523,505.39
6,210.00	58.50	90.58	-2,739.62	6,129.62	-2.29	227.95	227.96	12.00	575,283.91	523,577.25
6,300.00	69.30	90.58	-2,779.16	6,169.16	-3.10	308.64	308.66	12.00	575,283.10	523,657.94
6,390.00	80.10	90.58	-2,802.88	6,192.88	-3.97	395.32	395.34	12.00	575,282.23	523,744.62
6,472.54	90.00	90.58	-2,810.00	6,200.00	-4.80	477.44	477.46	12.00	575,281.40	523,826.74
LP @ 6200' TVD										
6,480.00	90.00	90.58	-2,810.00	6,200.00	-4.87	484.91	484.93	0.00	575,281.33	523,834.21
6,570.00	90.00	90.58	-2,810.00	6,200.00	-5.77	574.90	574.93	0.00	575,280.43	523,924.20
6,660.00	90.00	90.58	-2,810.00	6,200.00	-6.68	664.90	664.93	0.00	575,279.52	524,014.20
6,750.00	90.00	90.58	-2,810.00	6,200.00	-7.58	754.89	754.93	0.00	575,278.62	524,104.19
6,840.00	90.00	90.58	-2,810.00	6,200.00	-8.49	844.89	844.93	0.00	575,277.71	524,194.19
6,930.00	90.00	90.58	-2,810.00	6,200.00	-9.39	934.88	934.93	0.00	575,276.81	524,284.18
7,020.00	90.00	90.58	-2,810.00	6,200.00	-10.29	1,024.88	1,024.93	0.00	575,275.91	524,374.18
7,110.00	90.00	90.58	-2,810.00	6,200.00	-11.20	1,114.87	1,114.93	0.00	575,275.00	524,464.17
7,200.00	90.00	90.58	-2,810.00	6,200.00	-12.10	1,204.87	1,204.93	0.00	575,274.10	524,554.17
7,290.00	90.00	90.58	-2,810.00	6,200.00	-13.01	1,294.86	1,294.93	0.00	575,273.19	524,644.16
7,380.00	90.00	90.58	-2,810.00	6,200.00	-13.91	1,384.86	1,384.93	0.00	575,272.29	524,734.16
7,470.00	90.00	90.58	-2,810.00	6,200.00	-14.81	1,474.86	1,474.93	0.00	575,271.39	524,824.16
7,560.00	90.00	90.58	-2,810.00	6,200.00	-15.72	1,564.85	1,564.93	0.00	575,270.48	524,914.15
7,650.00	90.00	90.58	-2,810.00	6,200.00	-16.62	1,654.85	1,654.93	0.00	575,269.58	525,004.15

Company:	Marshall & Winston Inc.	Local Co-ordinate Reference:	Well Angel Ranch Fed Com 11 1H
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Site:	Angel Ranch Federal Com 11	MD Reference:	WELL @ 3390.00usft (Original Well Elev + 19' KB)
Well:	Angel Ranch Fed Com 11 1H	North Reference:	Grid
Wellbore:	Job # 1211118	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2 11-16-2012	Database:	Compass5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg: (°/100usft)	Northing (usft)	Easting (usft)	
7,740.00	90.00	90.58	-2,810.00	6,200.00	-17.53	1,744.84	1,744.93	0.00	575,268.67	525,094.14	
7,830.00	90.00	90.58	-2,810.00	6,200.00	-18.43	1,834.84	1,834.93	0.00	575,267.77	525,184.14	
7,920.00	90.00	90.58	-2,810.00	6,200.00	-19.33	1,924.83	1,924.93	0.00	575,266.87	525,274.13	
8,010.00	90.00	90.58	-2,810.00	6,200.00	-20.24	2,014.83	2,014.93	0.00	575,265.96	525,364.13	
8,100.00	90.00	90.58	-2,810.00	6,200.00	-21.14	2,104.82	2,104.93	0.00	575,265.06	525,454.12	
8,190.00	90.00	90.58	-2,810.00	6,200.00	-22.05	2,194.82	2,194.93	0.00	575,264.15	525,544.12	
8,280.00	90.00	90.58	-2,810.00	6,200.00	-22.95	2,284.81	2,284.93	0.00	575,263.25	525,634.11	
8,370.00	90.00	90.58	-2,810.00	6,200.00	-23.85	2,374.81	2,374.93	0.00	575,262.35	525,724.11	
8,460.00	90.00	90.58	-2,810.00	6,200.00	-24.76	2,464.81	2,464.93	0.00	575,261.44	525,814.11	
8,550.00	90.00	90.58	-2,810.00	6,200.00	-25.66	2,554.80	2,554.93	0.00	575,260.54	525,904.10	
8,640.00	90.00	90.58	-2,810.00	6,200.00	-26.57	2,644.80	2,644.93	0.00	575,259.63	525,994.10	
8,730.00	90.00	90.58	-2,810.00	6,200.00	-27.47	2,734.79	2,734.93	0.00	575,258.73	526,084.09	
8,820.00	90.00	90.58	-2,810.00	6,200.00	-28.37	2,824.79	2,824.93	0.00	575,257.83	526,174.09	
8,910.00	90.00	90.58	-2,810.00	6,200.00	-29.28	2,914.78	2,914.93	0.00	575,256.92	526,264.08	
9,000.00	90.00	90.58	-2,810.00	6,200.00	-30.18	3,004.78	3,004.93	0.00	575,256.02	526,354.08	
9,090.00	90.00	90.58	-2,810.00	6,200.00	-31.09	3,094.77	3,094.93	0.00	575,255.11	526,444.07	
9,180.00	90.00	90.58	-2,810.00	6,200.00	-31.99	3,184.77	3,184.93	0.00	575,254.21	526,534.07	
9,270.00	90.00	90.58	-2,810.00	6,200.00	-32.89	3,274.76	3,274.93	0.00	575,253.31	526,624.06	
9,360.00	90.00	90.58	-2,810.00	6,200.00	-33.80	3,364.76	3,364.93	0.00	575,252.40	526,714.06	
9,450.00	90.00	90.58	-2,810.00	6,200.00	-34.70	3,454.76	3,454.93	0.00	575,251.50	526,804.06	
9,540.00	90.00	90.58	-2,810.00	6,200.00	-35.61	3,544.75	3,544.93	0.00	575,250.59	526,894.05	
9,630.00	90.00	90.58	-2,810.00	6,200.00	-36.51	3,634.75	3,634.93	0.00	575,249.69	526,984.05	
9,720.00	90.00	90.58	-2,810.00	6,200.00	-37.41	3,724.74	3,724.93	0.00	575,248.79	527,074.04	
9,810.00	90.00	90.58	-2,810.00	6,200.00	-38.32	3,814.74	3,814.93	0.00	575,247.88	527,164.04	
9,900.00	90.00	90.58	-2,810.00	6,200.00	-39.22	3,904.73	3,904.93	0.00	575,246.98	527,254.03	
9,990.00	90.00	90.58	-2,810.00	6,200.00	-40.13	3,994.73	3,994.93	0.00	575,246.07	527,344.03	
10,080.00	90.00	90.58	-2,810.00	6,200.00	-41.03	4,084.72	4,084.93	0.00	575,245.17	527,434.02	

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Wellbore:	Job # 1211118	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2 11-16-2012	Database:	Compass5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
10,170.00	90.00	90.58	-2,810.00	6,200.00	-41.93	4,174.72	4,174.93	0.00	575,244.27	527,524.02	
10,260.00	90.00	90.58	-2,810.00	6,200.00	-42.84	4,264.71	4,264.93	0.00	575,243.36	527,614.01	
10,296.00	90.00	90.58	-2,810.00	6,200.00	-43.20	4,300.71	4,300.93	0.00	575,243.00	527,650.01	
TD @ 10296.09' MD											
10,296.09	90.00	90.58	-2,810.00	6,200.00	-43.20	4,300.80	4,301.02	0.00	575,243.00	527,650.10	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
5,722.54	5,722.54	0.00	0.00	KOP Build @ 12°/100'	
6,472.54	6,200.00	-4.80	477.44	LP @ 6200' TVD	
10,296.00	6,200.00	-43.20	4,300.71	TD @ 10296.09' MD	

Checked By: _____	Approved By: _____	Date: _____
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