

submitted in lieu of Form 3160-5

RECEIVED
2001 NOV 13 PM 3:15

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Sundry Notices and Reports on Wells

1. **Type of Well**
Gas

2. **Name of Operator**
M&M Production & Operation, Inc.

3. **Address & Phone No. of Operator**
P. O. Box 3470, Farmington, NM 87499 505-327-6908

Location of Well, Footage, Sec., T, R, M

2440' FSL and 540' FEL, Sec. 11, T-24-N, R-8-W,

5. **Lease Number**
NM-014580A
6. **If Indian, All. or Tribe Name**
7. **Unit Agreement Name**
8. **Well Name & Number**
AKE #1 *W*
9. **API Well No.**
30-045-51280
10. **Field and Pool**
Escrito Gallup
11. **County & State**
San Juan County, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

M&M Production plans to plug and abandon this well per the attached procedure.

14. I hereby certify that the foregoing is true and correct.

Signed *Theresa McCown* Title President Date 9/26/01
Theresa McCown

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 11/16/01
CONDITION OF APPROVAL, if any:

NMOCD

PLUG AND ABANDONMENT PROCEDURE

09/25/01

AKE #1-11

Escrito Gallup

2240' FSL & 540' FEL, Section 11, T24N, R8W

San Juan County, New Mexico API #30-045-05128

Long: / Lat:

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and/or test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and M&M safety rules and regulations. ND wellhead and NU BOP, test BOP.
2. TOH and tally tubing. Visually inspect tubing, if necessary LD and PU workstring. Round-trip 4-1/2" gauge ring or casing scraper to 5800', or as deep as possible.
3. **Plug #1 (Gallup perforations and top 5800' – 5700')**: Set 4-1/2" wireline CIBP or CR at 5800'. TIH with open ended tubing and tag CIBP. Load casing with water and establish circulation. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plug as necessary. Mix 12 sxs cement and spot a balanced plug inside casing above the CIBP to isolate Gallup perforations and top. TOH with tubing.
4. **Plug #2 (Mesaverde top, 4056' – 3956')**: Perforate 3 HSC squeeze holes at 4056'. Establish rate into squeeze holes if casing tested. Set a 4-1/2" retainer at 4006'. Establish rate into squeeze holes. Mix 51 sxs cement, squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover the Mesaverde top. TOH with tubing.
5. **Plug #3 (Pictured Cliffs and Fruitland tops, 2511' – 2150')**: Perforate 3 HSC squeeze holes at 2511'. Establish rate into squeeze holes if casing tested. Set a 4-1/2" retainer at 2461'. Establish rate into squeeze holes. Mix 172 sxs cement, squeeze 140 sxs cement outside 4-1/2" casing and leave 32sxs cement inside casing to cover the PC and Fruitland tops. TOH.
6. **Plug #4 (Kirtland and Ojo Alamo tops, 1960' – 1671')**: Perforate 3 HSC squeeze holes at 1960'. Establish rate into squeeze holes if casing tested. Set a 4-1/2" retainer at 1910'. Establish rate into squeeze holes. Mix 138 sxs cement, squeeze 112 sxs cement outside 4-1/2" casing and leave 32 sxs cement inside casing to cover through the Ojo Alamo tops. TOH and LD tubing.
7. **Plug #5 (Nacimiento top and 8-5/8" surface casing, 270' - Surface)**: Perforate 3 HSC holes at 270'. Establish circulation out bradenhead. Mix and pump approximately 95 sxs cement down the 4-1/2" casing, circulate good cement to surface. Shut in well and WOC.
8. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

AKE #1-11

Proposed P&A

Escrito Gallup

SE, Section 11 T-24-N, R-8-W, San Juan County, NM

API #30-045-05128

Today's Date: 09/20/01

Spud: 10/4/61

Completed: 8/15/74

Elevation: 6534' GL

Nacimiento @ 220'

12-1/4" hole

8-5/8" 24#, J-55 Casing set @ 205'
Cmt w/150 sxs (Circulated to Surface)

Perforate @ 270'

Plug #5 270' – Surface
Cement with 95 sxs

Ojo Alamo @ 1721'

Kirtland @ 1910'

Cmt Retainer @ 1910'

Plug #4 1960' – 1671'
Cement with 138 sxs,
112 sxs outside casing
and 26 sxs inside.

Perforate @ 1960'

Fruitland @ 2200'

Pictured Cliffs @ 2461'

Cmt Retainer @ 2461'

Plug #3 2511' – 2150'
Cement with 172 sxs,
140 sxs outside casing
and 32 sxs inside.

Perforate @ 2511'

Mesaverde @ 4006'

Cmt Retainer @ 4006'

Plug #2 4056' – 3956'
Cement with 51 sxs,
12 sxs outside casing
and 39 sxs inside.

Perforate @ 4056'

TOC @ 5604' (Calc. 75%)

Gallup @ 5850'

Set CIBP @ 5800'

Plug #1 5800' – 5700'
Cement with 12 sxs

Gallup Perforations:
6032' – 6080'

PBTD 6124'

7-7/8" hole

4-1/2" 9.5# Casing set @ 6188'
Cement with 150 sxs

TD 6124'