

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

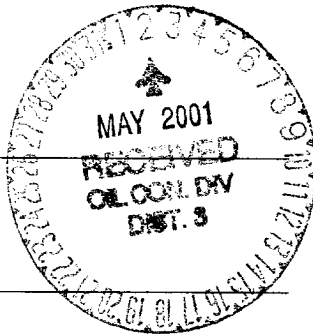
Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
Manana Gas, Co.

3. Address & Phone No. of Operator
1002 Tramway Lane NE, Albuquerque, NM 87122

79015 12451E
4. Location of Well, Footage, Sec., T, R, M
Unit P, Sec. 14, T-30-N, R-12-W, NMPM, San Juan County



API # (assigned by OCD)
30-045-22684
5. Lease Number
Fee
6. State Oil&Gas Lease #
7. Lease Name/Unit Name
8. Well No.
Betty Hartman #1
9. Pool Name or Wildcat
Basin Dakota
10. Elevation:

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

Manana proposes to repair this wells casing per the attached procedure.

SIGNATURE

William F. Clark

Contractor

May 1, 2001

(This space for State Use)

Approved by
ORIGINAL SIGNED BY CHARLES T. PERRY

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Title

Date MAY - 2 2001

Procedure to Locate & Repair Casing Leak

4/17/01

Betty Hartman #1

Basin Dakota

790' FSL and 1245' FEL, Section 14, T30N, R12W

San Juan County, New Mexico

Fee Lease, API #

Note: Contact the NMOCD before any cementing activity at 334-6178 and document such notification.

1. If necessary install and **test** rig anchors. Prepare blow pit or use a steel pit for waste fluid. Comply with all NMOCD and Manana safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. Record wellhead pressures. NU relief line and blow well down; kill with water as necessary.
2. ND wellhead and NU BOP and stripping head; test BOP. TOH and tally approximately 211 joints of 2-3/8" tubing, 6538'. If necessary, LD tubing and PU workstring
3. **Isolate Casing Leak:**
 - *PU RBP and full bore packer, TIH and set RBP at 6250'.*
 - *Load casing with water and circulate the well clean, note any drilling mud (volume) in returns.*
 - *Pressure test RBP to 1000# with packer set one joint above.*
 - *Isolate casing leak(s) with packer. Test to 800#.*
 - *Report casing leak interval (top & bottom hole) to A-Plus office.*

Obtain orders from Engineer to further isolate holes, (spot sand on RBP and PU second RBP) or squeeze casing leak, depending on amount of bad casing. .
4. Squeeze casing per procedure. WOC and drill out cement. Pressure test casing to 600# for 15 minutes, note decrease in 5 minute steps if not holding.
5. Re-squeeze if necessary.
6. Run a 4-1/2" casing scraper to the RBP and circulate well clean. Load casing with Nutra-Clay or KCl water. TOH and LD scraper. TIH with retrieving head and recover RBP. TOH and LD RBP.
7. Rig up and swab well. May acidize perforations with 500 gallons 15% HCl and swab back spent acid.
8. Land tubing and NU wellhead. RD and MOL.

Betty Hartman #1

Current

Basin Dakota

SE Section 14, T-30-N, R-12-W, San Juan County, NM

Today's Date: 04/17/01
Spud: 08/13/77
Completed: 09/07/77
Elevation: 5535' GL
5547' KB

12-1/4" hole

8-5/8" 24# Casing set @ 207'
Cement w/230 sxs (cmt did not circulate –
So backside 250 sxs with 1", then 3 yards pea gravel)

TOC @ 332' (Calc, 75%)

Ojo Alamo @ 348'

Kirtland/ Fruitland @ 476'

Pictured Cliffs @ 1818'

Mesaverde @ 3380'

Gallup @ 5445'

Dakota @ 6332'

WELL HISTORY

Current - Casing leak. Production stopped. Plunger recovered. Making nothing No packer in well. Close to houses.

Objective – repair casing. May leave with packer.

No additional information at OCD. Casing may have a DV tool – no reference to it of record.

2-3/8" tubing at 6538'
(appx. 211 joints)

Dakota Perforations:
6335' – 6517'

4-1/2" 10.5# Casing set @ 6601'
Cement with 1904 cf

7-7/8" Hole

PBTD 6550'

TD 6601'

