

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

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

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:

API # (assigned by OCD)



Type of Submission	Type of Action
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other -
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

Manana repaired this wells casing per the attached report.

SIGNATURE William F. Clark Contractor
William F. Clark

June 6, 2001

(This space for State Use)

Approved by CHARLE T. PERPIN

Title

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Date

JUN 11 2001

A - PLUS WELL SERVICE, INC.

P.O. BOX 1979
FARMINGTON, NM 87499
505-325-2627 • FAX: 505-325-1211

Manana Gas Inc.
Betty Hartman #1

790' FSL and 1245' FEL, Section 14, T30N, R12 W, San Juan County, NM.
Fee Lease

May 20, 2001
Page 1 of 2

Casing Repair Report:

- 05/02** MO, RU. Well has no pressure. ND wellhead. Worked donut free. PU on tubing, found stuck. Pull up to 60,000# on tubing. NU BOP and test rams. Work tubing until it was free, pulling 60,000#. TOH with 48 joints 2-3/8" tubing, dragging first 90'. Shut in well. SDFD.
- 05/03** Safety Meeting. Bleed down 60# casing pressure and 20# tubing pressure. Started flowing condensate out casing. Kill well with 20 bbls water. Continue to TOH with tubing. Found hole in joint 151 and tubing was plugged below hole. TOH with total 208 joints tubing, bit sub, 3-7/8" bit, total 6515'. Replaced 10 - 2-3/8" tubing collars. TIH with 3-7/8" bit, 4-1/2" casing scraper, seating nipple with standing valve in place and 62 joints tubing. Load tubing with water and pressure test to 2000#, held OK. TIH with 48 joints. Pressure test tubing to 2000#, held OK. TIH with 48 joints tubing. Pressure test to 2000#, held OK. Shut in well.
- 05/04** Safety Meeting. Bleed down 60# casing pressure and 20# tubing pressure. Continue To TIH and pressure test tubing to 6300'. LD 16 bad joints and PU 8 joints replacement pipe. Load tubing and pressure test to 2000#. RU sandline with overshot. RIH and retrieve standing valve from SN. TOH with tubing and casing scraper. TIH with Baker 4-1/2" retrievable bridge plug and retrievematic packer. Set RBP at 6250' and released. Load casing with water and circulate well clean with 100 bbls water. Circulated out drilling mud, shale and formation. LD 1 joint tubing and set packer at 6219'. Pressure test RBP to 1000#, held OK. Release packer. SDFD.
- 05/07** Safety Meeting. No pressure. Load casing with 5 bbls water and to circulate well. Shut in casing valve and attempt to pressure test, leak. Dump sand down tubing to protect RBP. Set packer multiple times to isolate casing leaks from 3408' to 3971'. Pump into leak at 2 bpm at 500#. TOH with tubing and packer, LD retrieving head. TIH with packer and tubing. Set packer at 3163'. Load casing and pressure up annulus to 500#. Shut in casing annulus. Pump down tubing and establish rate 2 bpm at 500#. Mix and pump 232 sxs Type II cement down the tubing, displace to 3244' with 850#. Hesitation squeezed cement down to 3337' with a final squeeze pressure of 1500#. Shut in well with 1350# on tubing. SDFD.
- 05/08** Safety Meeting. Open up well. Release packer. TOH with tubing and LD packer. TIH 3-7/8" bit, bit sub and 105 joints tubing. Tag cement at 3283'. RU drilling equipment. Drilling out cement from 3283' to 3564', pumping 2 bpm with 80 rpm and 5000# on bit. Circulate well clean. Shut in casing valve. Pressure test casing to 500#, held OK. Shut in well. SD.
- 05/09** Safety Meeting. Drilling cement from 3564' to 4065' with 80 rpm with 6000# on bit. Circulate well clean. Pressure test casing to 500#, held OK. Shut in well. SDFD.



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Fee Lease

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Page 2 of 2

Casing Repair Report Continued:

- 05/10** Safety Meeting. Drilling cement from 4065' to 4240'. Circulate well clean. Pressure test casing to 600# for 15 min, held OK. RD power swivel. TOH with tubing, bit sub and bit. TIH with 3-7/8" bit, 4-1/2" casing scraper and tubing to 4370'. TOH with tubing and scraper. Shut in well.
- 05/11** Safety Meeting. Open up well. TIH with retrieving head and tubing. Tag fill at 6180'. Circulate cement, shale and sand out of hole down to RBP. Circulate hole clean with 100 bbls fresh water mixed with 5 gallons NutraClay. Latch on to RPB at 6250'. Release RBP and TOH with tubing. Did not have RBP. TIH with retrieving head and tubing. Latch onto RBP at 6264'. Release RBP. Shut in well. SDFD.
- 05/14** Safety Meeting. Open up well. TOH with tubing and retrieving head with RBP. Tally and rabbit tubing in hole. Ran a saw tooth collar, seating nipple and 207 joints tubing. Tag fill at 6479' which is 71' of fill. Replaced 8 joints of bad tubing. TOH with tubing. Shut in well. SDFD.
- 05/15** Safety Meeting. TIH with Baker Hydrostatic bailer and tubing. Tag fill at 6479' and clean out casing working bailer down to PBTD of 6550'. TOH with tubing and hydrostatic bailer. Recovered 15 joints drilling mud, shale and sand. TIH with sawtooth collar, seating nipple, 208 joints tubing. Seating nipple at 6520'. RU tubing swab. Swab well. Beginning FL at 2100'. Made 12 swab runs and recovered 34 bbls water and drilling mud. FL at 3400' with show of gas out casing. Hung swab back. Pull tubing up 62'. Shut in well. SDFD.
- 05/16** Safety Meeting. Well pressures: casing 500# and tubing 340#. Bleed well down. TIH with 62' tubing. Shut casing in. SN at 6520'. Swab well. Starting FL at 2800'. Swab well down to 5900' with 480# casing pressure. Recovered 44 bbls water with drilling mud, sand and shale. Tubing plugged at 3900'. Unable to get swab in hole. Latch on tubing and shook tubing. Unplugged tubing. Pump 10 bbls water to assure tubing is clear. Ran sinker bar and sandline to SN to assure tubing clear, TOH with sandline. Well began flowing water with drilling mud out casing. PUH 62'. Shut in well. SDFD.
- 05/17** Safety Meeting. Blow down 700# casing pressure. TIH with 2 joints tubing, EOT 6520'. RIH with sandline, fluid level at 4300', POH. Wait on acid. RU American Energy. Pump 2 bbls water, then 500# gallons 28% mud acid with double inhibitor, 9 bbl water displacement at 2 bpm, 0# pressure. RD American Energy. Bleed casing down. LD 3 joints tubing and TOH with 24 joints tubing. Shut in well. Wait 2 hours for acid to work. TIH with 24 joints tubing. EOT 6426', 205 joints tubing. Made 12 swab runs with beginning fluid level at 3675' and recovered 42.2 bbls gas cut muddy water with ending fluid level at 4025'. Shut in well and SDFD.
- 05/18** Safety Meeting. Well pressures: casing 820# and tubing 230#. Install spacer spool between stripper head and BOP. Land tubing at 6426'. ND BOP and NU wellhead. Swab well with FL at 4200'. Made 2 swab runs and recovered 7 bbls gas cut muddy water. Well started flowing and casing pressure dropped to 400#. RD sand line and swab. Left well flowing to pit while rigging down. RD. Shut in well. Move off location.

