

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S St Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

PN

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-045- 22684
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE X
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Betty Hartman
8. Well Number #1
9. OGRID Number 13931
10. Pool name or Wildcat Basin Dakota

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH  
PROPOSALS.)

1. Type of Well: <input type="checkbox"/> Oil Well X Gas Well <input type="checkbox"/> Other
2. Name of Operator Manana Gas, Inc.
3. Address of Operator c/o Walsh Engineering 7415 East Main Street, Farmington, NM 87402
4. Well Location Unit Letter P : 790' feet from the South line and 1245' feet from the East line Section 14 Township 30N Range 12W NMPM County San Juan
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5535' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Workover Depth to Groundwater 50' Distance from nearest fresh water well >500' Distance from nearest surface water 200'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 100 bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☒  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed-completion or recompletion.

Manana Gas Company has plugged and abandoned this well according to the attached reports.

RCVD JAN 24 '08

OIL CONS. DIV.

DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Paul C. Thompson TITLE Agent DATE 1/22/08

Type or print name Paul C. Thompson, P.E. E-mail address: paul@walsheng.net Telephone No. 505-327-4892

For State Use Only

APPROVED BY: Kelly G. Roberts TITLE Deputy Oil & Gas Inspector, District #3 DATE 4/23/08

Conditions of Approval (if any):

B

Manana Gas, Betty Hartman #1 P&A

12/6/07 Moved on location and rigged up Mesa Rig #211. Dug and lined a small workover pit where the separator pit used to be. Blew the well down and killed the well by pumping 20 bbls of water down the tubing. Nipped down the wellhead and nipped up the BOP. Pulled the tubing and removed the donut. Dropped a standing valve. Pumped 30 bbls of water down the tubing but did not pressure up. TOH with the tubing. Pulled a total of 205 jts of 2-3/8" tubing with a seating nipple and notched collar on bottom. Found a bumper spring in the seating nipple. There was a packer below joint #136. Laid down a total of 9 joints – two with holes and the rest with severe pitting. Picked up a new seating nipple on 26 stands of tubing. Dropped a standing valve. Loaded the tubing with water and pressure tested to 500 psi – held OK. Left the casing open to the tank. SI the tubing and SDON.

12/7/07 Continued TIH, pressure testing the tubing to 500 psi every 24 stands. All the rest of the tubing is OK. Tagged bottom at 6497' KB. POH and set the bottom of the tubing at 6477' KB. Retrieved the standing valve. Rigged up Superior. Pumped a balanced plug with 100 sx (120 cu.ft.) of Type 5 neat in two stages. POH with 40 stands of tubing and WOC 3 hrs. TIH and tagged the cement top at 5227' KB, adequately covering the Gallup and Dakota formations. TOH and laid down all but 55 stands. Picked up a 4-1/2" casing scrapper and TIH to 3450' KB. TOH and laid down the scrapper.

12/10/07 Picked up a 4-1/2" cement retainer and TIH on 2-3/8" tubing. Set retainer at 3329'KB. Sting out and circulated casing, sting into retainer and established injection rate of < .25bpm @ 900psi. Sting out and pressure test casing – test failed. Confer with OCD. Rigged up Superior and pumped a 10sk (12cuft) plug of Type 5 neat on top of cement retainer. TOOH with tubing and LD stinger. TIH and tagged TOC at 3145'. PUH to 1887'KB, pressure tested casing to 1080psi, good test. Spotted a 15sk (18cuft) plug of Type 5 neat from 1887' to 1680', across the PC & FC formation. PUH and spotted a 20sk (24cuft) plug of Type 5 neat from 535' to 317', across the Ojo Alamo formation. PUH to 255'KB and circulate hole clean. LD remaining tubing and shut in well. We will perforate and squeeze braiden head in A.M

12/11/07 Rigged up Jet West and perforated 2 squeeze holes at 245'KB. Rigged up pump and tried to break circulation at bradenhead. Pressure built to 1500psi then broke to 1000psi @ .25bpm, no circulation at BH. Rigged up pump on BH valve and could pump into at 1500psi @ < .25bpm, no movement at casing valve. TIH and perforate at 195'KB, pumped into perfs at 1000psi @ .25bpm, no BH circulation. TIH and perforate at 145'KB, pumped into perfs at 1000psi @ .25bpm, no BH circulation. Picked up 2-3/8" tubing and tagged cement top at 317'. Pull up to 315'. Rigged up Superior and pumped 25sx (30cuft) of Type 5 neat, circulated cement to surface. LD tubing. Closed blind rams and pumped 10sx (12cuft) of Type 5 neat, 1300psi @ .3bpm. Shut down and hesitate 10min. Pumped another 15sx (18cuft) of Type 5 neat, 1400psi @ .35bpm. Shut well in and hesitate 15min. Bled pressure off slowly. ND BOP and tubing head. Dug down around well head and cut a window in the 8-5/8" surface casing, found cement between 4-1/2" and 8-5/8". OCD on location and approved P&A as completed. Scheduled casing head to be removed and marker to be installed on 12/12/07. Final Report.

MANANA GAS, INC.  
BETTY HARTMAN #1  
P#A STATUS.

SHOT 39 HOLES IN 4 1/2" AT  
245', 195', & 145' W/ NO  
CIRCULATION VIA BRADENHEAD.

OLD ALAMO - 348  
KIRTLAND - 476

PICTURED CLIFFS - 1818

CLIFF HOUSE - 3380

MENEFEE - 3530

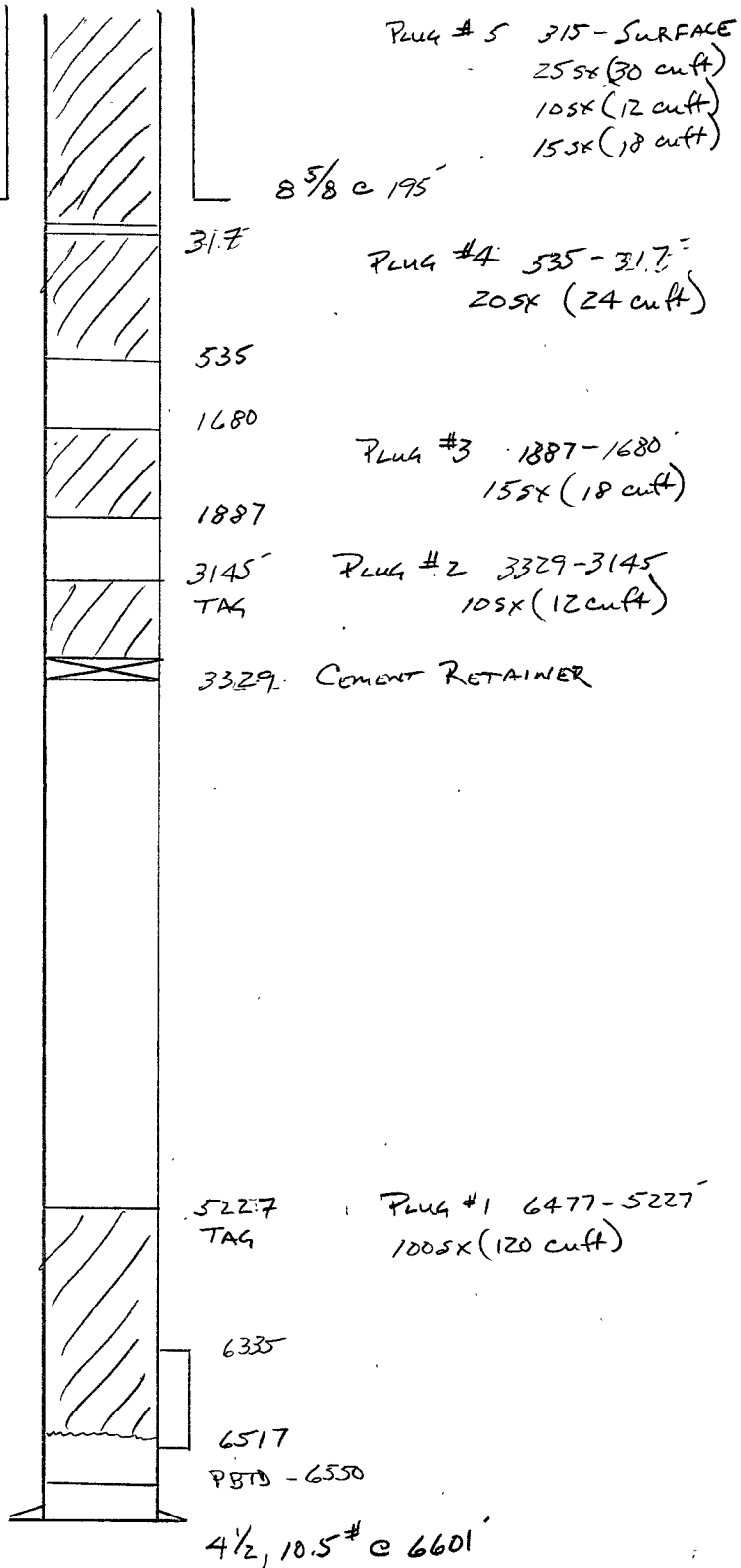
POINT LOOKOUT - 4340

MANCOS - 4480

GALLUP - 5445

DAKOTA - 6332

FOUND FILL  
@ 6497'



Pct 1/22/08