

START Tuesday

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

Sundry Notices and Reports on Wells

API # (assigned by OCD)

1. Type of Well
GAS

2. Name of Operator
Manana Gas, Inc.

3. Address & Phone No. of Operator
1002 Tramway lane NE
Albuquerque, NM 87122 505-856-1084

4. Location of Well, Footage, Sec., T, R, M
P, Sec. 22, T-29-N, R-11-W, NMPM, County
990' FSL and 990' FEL

5. Lease Number
FEE
State Oil&Gas Lease #

6. Lease Name/Unit Name
Hartman

7. Well No.
#1

8. Pool Name or Wildcat
Basin Dakota

9. Elevation:
5436'

RECEIVED
OCT 20 1998
OIL CON. DIV.
DIST. 2

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input 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

NOTIFY AZTEC OCD
IN TIME TO WITNESS 24 hours

Manana Gas, Inc. proposes to plug and abandon this well per the attached procedure.

* #1 Plug Cement CAPACITY of CASING
3950 Ret TO 6068 + EXCESS

CAP 6 plug

If Ret not set @ 3950' contact OCD office Aztec

SIGNATURE Ed Hartman September 4, 1998
Ed Hartman

(This space for State Use)

APPROVED BY CHARLIE T. PERRIN

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 21

OCT 20 1998

NOTE How
attached

ED HARTMAN, PRES.

Mañana Gas, Inc.
2520 TRAMWAY TERRACE CT. N.E.
ALBUQUERQUE, NEW MEXICO 87122

TELE: (505) 856-1084
FAX: (505) 856-1036

10/19/98

Bill Clark of A Plus Well Service worked this up and will do the actual plugging. His number is 325-2627.

Thanks

Ed Hartman
Ed Hartman

P.S.: I held up submitting this until I had approved AFE's from the working interest owners.

RECEIVED
OCT 20 1998
OIL CON. DIV.
DIST. 3



PLUG & ABANDONMENT PROCEDURE

9-3-98

Hartman #1

Basin Dakota

990' FSL, 990' FEL / SE, Section 22, T-29-N, R-11-W
San Juan Co., New Mexico

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.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Manana safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. PU 2" tubing. Round-trip 4-1/2" gauge ring to 3950' or as deep as possible. If tag is less than 3950', then spot cement plug as appropriate.
3. **Plug #1 (Dakota and tubing stub, 3900' - 3800'):** Set 4-1/2" cement retainer at 3900'. Establish rate below retainer. Mix 62 sxs Class B cement, squeeze 50 sxs below retainer and spot leave 12 sxs above inside casing. Pressure test casing to 500#. If casing does not test, tag or spot subsequent plug as appropriate. POH with tubing.
4. **Plug #2 (Mesaverde top, 3290' - 3190'):** Perforate 3 HSC squeeze holes at 3290'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 3240'. Establish rate into squeeze holes. Mix 63 sxs Class B cement, squeeze 52 sxs cement outside casing and leave 11 sxs inside casing. PUH to 1690'.
5. **Plug #3 (Pictured Cliffs and Fruitland tops, 1690' - 1360'):** Mix 28 sxs Class B cement and spot a balanced plug inside casing to cover Fruitland top. PUH to 640'.
6. **Plug #4 (Kirtland and Ojo Alamo tops, 640' - 304'):** Mix 29 sxs Class B cement and spot a balanced plug inside casing to cover Ojo Alamo top. POH and LD tubing.
7. **Plug #5 (Surface):** Perforate 2 HSC squeeze holes at 50'. Establish circulation out bradenhead valve. Mix and pump approximately 20 sxs Class B cement down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Hartman #1

Current

Basin Dakota

SE, Section 22, T-29-N, R-11-W, San Juan County, NM

Today's Date: 9/4/98

Spud: 3/13/60

Completed: 4/25/60

Elevation: 5436' (GL)

Ojo Alamo @ 354'

Kirtland @ 667'

Fruitland @ 1410'

Pictured Cliffs @ 1640'

Mesaverde @ 3240'

Gallup @ 5210'

Dakota @ 6068'

13-1/2" hole

8-3/4" Hole

TD 6310'

200 sxs (236cf) Squeezed into
bradenhead, displaced to 50';
Calculated Bottom of Cmt @ 694' (75%)

9-5/8" 33# Csg set @ 404'
300 sxs cement (Circulated to Surface)

WORKOVER HISTORY

May 96: 4-1/2" casing collapsed, 2-3/8" tbg
stuck; Free point tbg approx., 4000', back off tbg,
attempt to fish, unable to recover any tubing.

Top of Cmt @ 964'
(Calc, 75%)

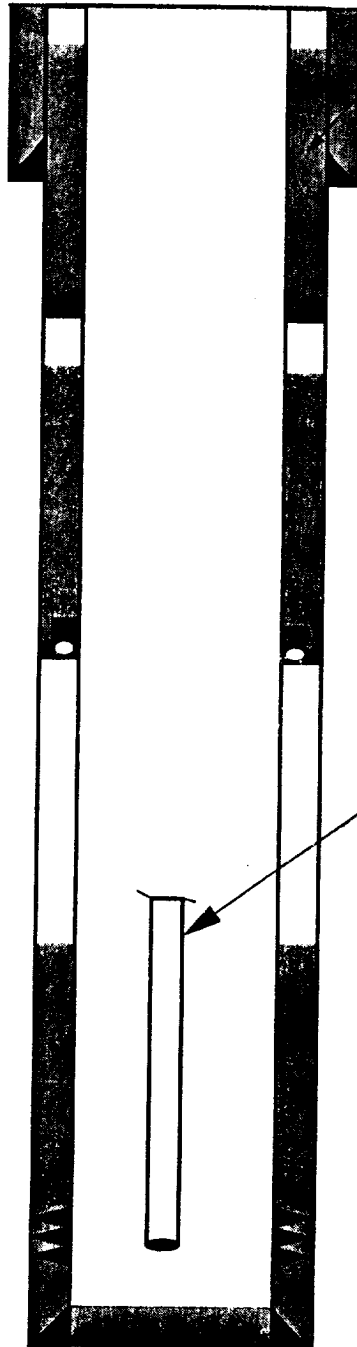
DV tool @ 1795'
Cmt w/340 cf

2-3/8" 4.7# tubing @ 6232'
Freepoint and backed off at 4000'

TOC @ 5174' (Calc, 75%)

Dakota Perforations: 6072' - 6274'

4-1/2" 11.6# Casing set @ 6310'
Cmt w/350 sxs + 50 sxs latex (465 cf)



Hartman #1

Proposed P&A

Basin Dakota

SE, Section 22, T-29-N, R-11-W, San Juan County, NM

Today's Date: 9/4/98
Spud: 3/13/60
Completed: 4/25/60
Elevation: 5436' (GL)

Ojo Alamo @ 354'

Kirtland @ 667'

Fruitland @ 1410'

Pictured Cliffs @ 1640'

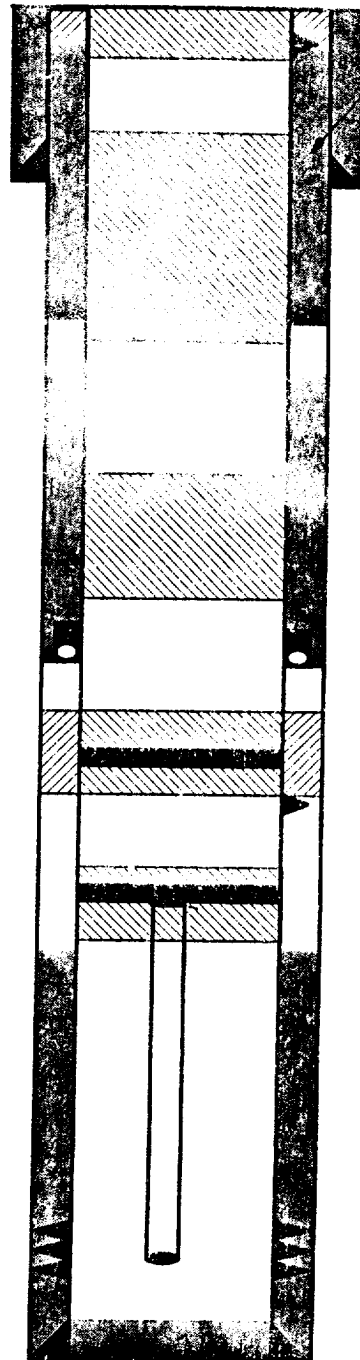
Mesaverde @ 3240'

Gallup @ 5210'

Dakota @ 6068'

13-1/2" hole

8-3/4" Hole



Plug #5 50' - Surface
Cmt with 20 sxs Class B

Perforate @ 50'

200 sxs (236 cf) Squeezed into
bradenhead, displaced to 50';
Calculated Bottom of Cmt @ 694' (75%)

9-5/8" 33# Csg set @ 404'
300 sxs cement (Circulated to Surface)

Btm of Cmt @ 694'
(Calc, 75%)

Top of Cmt @ 964'
(Calc, 75%)

Plug #4 640' - 304'
Cmt with 29 sxs Class B

Plug #3 1690' - 1360'
Cmt with 28 sxs Class B

DV tool @ 1795'
Cmt w/340 cf

Cmt Retainer @ 3240'

Perforate @ 3290'

Cmt Retainer @ 3900'

2-3/8" 4.7# tubing @ 6232'
Freepoint and backed off at 4000'

TOC @ 5174' (Calc, 75%)

Plug #2 3290' - 3190'
Cmt with 63 sxs Class B,
52 sxs outside casing
and 11 sxs inside.

Plug #1 3900' - 3800'
Cmt with 62 sxs Class B,
50 sxs below retainer
and 12 sxs above.

Dakota Perforations: 6072' - 6274'

4-1/2" 11.6# Casing set @ 6310'
Cmt w/350 sxs + 50 sxs latex (465 cf)

TD 6310'