

m 3160-5
1c 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

Name of Operator

EOG (New Mexico) Inc.

Address and Telephone No.

621 17th Street, Suite 1800, Denver, CO 80293

Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter G 1650' FNL, 1650' FEL
Sec. 36-24N-2W

5. Lease Designation and Serial No.

NM 015020-1C

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

14080018230

8. Well Name and No.

Ben Federal #1

9. API Well No.

30-039-82321

10. Field and Pool, or Exploratory Area

Blanco Pictured Cliffs

11. County or Parish, State

Rio Arriba, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

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
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

4. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well to be plugged and abandoned per attached procedure.

RECEIVED
SEP - 6 1995

OIL CON. DEV.
DIST. 3

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

Signed

Will Hardin

Title Consultant

Date 8/24/95

(This space for Federal or State official use)

Approved by

Sol Chief, Lands and Mineral Resources

Title

Date SEP 5 1995

Conditions of approval, if any:

Letter for surface restoration attached -

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

PLUG & ABANDONMENT PROCEDURE

8-21-95

Ben Federal #1
Blanco Pictured Cliffs
NE Section 36, T-24-N, R-2-W
Rio Arriba 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 to all NMOCD, BLM, and EOG safety regulations.
2. 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.
3. Pull as much 1" tubing as possible. PU Kilo socket with 2" workstring and RIH, catch fish. POH and LD 1" tubing. RIH with open ended 2" tubing as deep as possible (3150' +/-).
4. Plug #1 (Pictured Cliffs perforations and top, Fruitland, Kirtland and Ojo Alamo tops, 3150' - 2860') Pump 30 bbls water down tubing. Mix and pump 45 sxs Class B cement, and spot a balanced plug from 3150' to 2860'. POH and WOC. RIH and tag cement. Load casing with water and pressure test casing to 500#. POH with tubing.
5. Plug #2 (Nacimiento top and San Jose Upper Sands): Perforate 3 or 4 squeeze holes at 1542'. If casing pressure tested, establish rate into squeeze holes and attempt to circulate to surface. PU 4-1/2" cement retainer and RIH; set at 1492'. Pressure test tubing to 1000#. Establish rate into squeeze holes.
 - A. If circulation is established to surface, mix and pump approximately 378 sxs Class B cement, squeeze approximately 361 sxs cement (100% excess) outside casing from 1542' to surface to cover Nacimiento top and San Jose upper sands and leave 15 sxs inside casing to 1442'. POH with tubing to 770'. Mix and pump 19 sxs Class B cement and spot inside casing from 770' to 570' to cover San Jose. POH to 153' and WOC. RIH and tag cement. POH to 153' with tubing and mix and pump 12 sxs Class B cement from 153' to surface, circulate good cement out casing valve. POH and LD tubing and setting tool. Shut in well and WOC.

If casing does not circulate to surface at Nacimiento and if casing pressure tested, establish rate into squeeze holes. PU 4-1/2" cement retainer and RIH; set at 1492'. Pressure test tubing to 1000#. Establish rate into squeeze holes. Mix and pump 35 sxs Class B cement, squeeze 23 sxs cement outside casing from 1542' to 1442' and leave 12 sxs cement inside casing to cover Nacimiento top. Pressure test casing to 500#. POH and LD tubing and setting tool.

PLUG & ABANDONMENT PROCEDURE

Ben Federal #1

8-21-95

Page 2

5. B. Perforate 3 or 4 squeeze holes at 770'. If casing tested, attempt to establish rate into squeeze holes and circulate to surface. If well circulates to surface, then mix and pump approximately 240 sxs Class B cement down the 4-1/2" casing, squeeze approximately 180 sxs cement (100% excess) outside 4-1/2" casing to surface covering the San Jose upper sands; leave 60 sxs cement inside casing, circulate good cement out bradenhead valve. Shut in well and WOC.
- C. If casing did not test after Plug #2, then PU 4-1/2" cement retainer and RIH; set at 720'. Attempt to establish circulation to surface with the casing valve shut. If able to circulate to surface, mix and pump approximately 199 sxs Class B cement (100% excess) and squeeze 180 sxs cement outside 4 1/2" casing from 770' to surface to cover San Jose, leave 19 sxs cement inside casing above retainer to 520'. POH to 153' with tubing. Mix and pump 12 sxs Class B cement from 153' to surface circulate good cement out casing valve. POH and LD tubing and setting tool. Shut in well and WOC.
- D. If casing did not test after Plug #2 and unable to establish circulation to surface after retainer is set at 970', then establish rate into squeeze holes. Mix and pump 66 sxs Class B cement (100% excess), squeeze 47 sxs cement outside 4-1/2" casing from 770' to 570' to cover San Jose Upper Sands and leave 19 sxs cement inside casing. POH and LD tubing and setting tool. Perforate 2 or 3 squeeze holes at 153'. Establish circulation out bradenhead valve. Mix approximately 42 sxs Class B cement and pump down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
7. 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.

Ben Federal #1

CURRENT

Blanco Plutered Cliffs

NE Section 36, T-24-N, R-2-W, Rio Arriba County, NM

Today's Date: 8/18/95

Spud: 12/6/61

Completed: 12/10/61

12-1/4" hole

0-5/8" 24.0# csg set @ 103'
Cmt w/80 ex (Circulated to Surface)

San Jose @ 720'

Nacimiento @ 1492'

WORKOVER HISTORY

11/94: Found 1" tbg stuck.
Attempt to fish tbg.
unsuccessful. T&A well
11/16/94.

Ojo Alamo @ 2910'

Kirtland @ 2963'

Fruitland @ 3036'

Plutered Cliffs @ 3109'

TOC @ 2790' (T.S.)

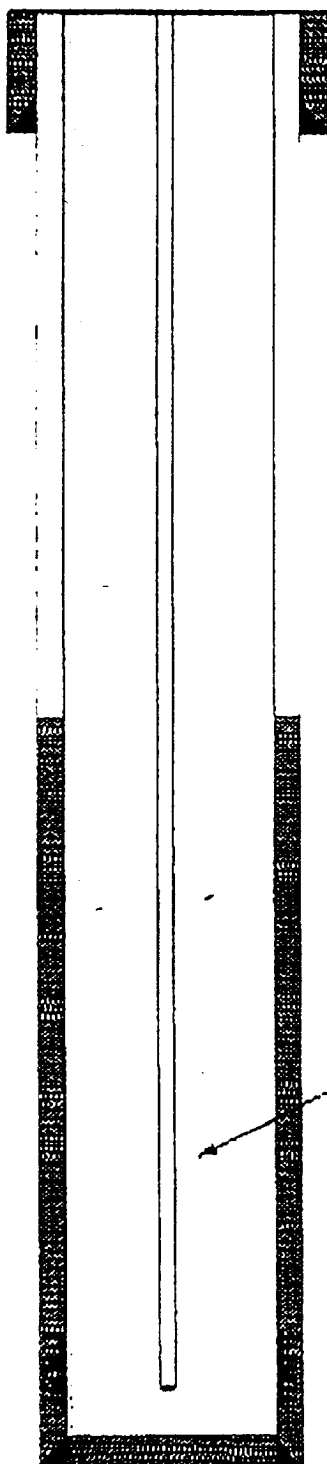
1" 1.14# tubing @ 3120'

Plutered Cliffs Perforations.
3110' - 3124'

6-3/4" hole

TD 3167'

4-1/2" 9.5#, J-55, csg set @ 3157'
Cmt w/75 ex



Ben Federal #1

PROPOSED P&A
Blanco Pictured Cliffs

CASE "A"

NE Section 38, T-24-N, R-2-W, Rio Arriba County, NM

Today's Date: 8/18/95

Spud: 12/6/81

Completed: 12/10/61

12-1/4" hole

San Jose @ 720'

Nacimiento @ 1492'

Ojo Alamo @ 2910'

Kirtland @ 2963'

Fruitland @ 3038'

Pictured Cliffs @ 3109'

6-3/4" hole

TD 3157'

8-5/8", 24.0# csg set @ 103'
Cmt w/60 sx (Circulated to Surface)

Plug #4 153' - Surf with
12 exs cement inside casing.

Plug #3 770' - 670' with
19 exs cement inside casing.

Cmt Retainer @ 1492'

Perforate @ 1542'

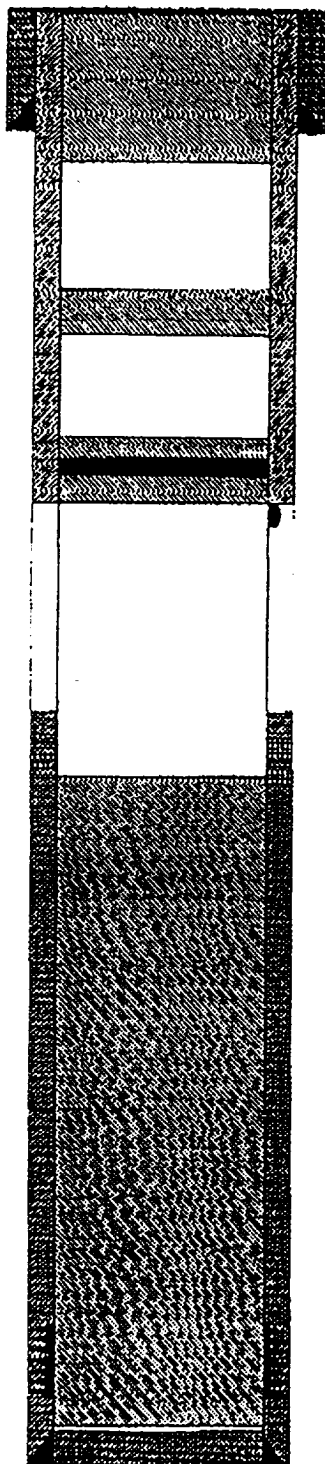
Plug #2 1542' - Surf with
3/6 exs cmt, squeeze 351 exs
outside casing and circulate to
surface, leave 12 inside casing
to 1442'.

TOC @ 2790' (T.G.)

Plug #1 3150' - 2860' with
45 exs cement inside casing.

Pictured Cliffs Perforations:
3110' - 3124'

4-1/2", 9.5#, J-55, csg set @ 3157'
Cmt w/75 sx



Ben Federal #1**PROPOSED P&A**

Blanco Pictured Cliffs

NE Section 36, T-24-N, R-2-W, Rio Arriba County, NM

CASE "B"

Today's Date: 8/18/95

Spud: 12/6/61

Completed: 12/10/61

12-1/4" hole

San Jose @ 720'

Nacimiento @ 1492'

Ojo Alamo @ 2910'

Kirtland @ 2963'

Fruitland @ 3038'

Pictured Cliffs @ 3109'

6-3/4" hole

TD 3167'

8-5/8", 24.0# csg set @ 103'
Cmt w/60 sx (Circulated to Surface)Plug #3 770'- Surface with
240 sxs cement, squeeze
180 sxs outside casing and
circulate to surface, leave 00
sxs inside casing.

Perforate @ 770'

Cmt Retainer @ 1492'

Perforate @ 1542'

Plug #2 1542' - 1442' with
35 sxs cmt, squeeze 23 sxs
outside casing and leave 12
inside casing.

TOC @ 2790' (T.S.)

Plug #1 3150' - 2860' with
45 sxs cement inside casing.Pictured Cliffs Perforations:
3110' - 3124'4-1/2", 9.5#, J-55, csg set @ 3157
Cmt w/75 sx

Ben Federal #1

PROPOSED P&A

Blanco Pictured Cliffs

NE Section 38, T-24-N, R-2-W, Rio Arriba County, NM

CASE "C"

Today's Date: 8/18/95

Spud: 12/6/81

Completed: 12/10/81

12-1/4" hole

San Jose @ 720'

Nacimiento @ 1492'

Ojo Alamo @ 2910'

Kirtland @ 2983'

Fruitland @ 3038'

Pictured Cliffs @ 3109'

6-3/4" hole

TD 3157'

8-5/8", 24.0# csg set @ 103'
Cmt w/60 sx (Circulated to Surface)

Plug #4 153' - Surf with
12 sxs cement inside casing.

Cmt Retainer @ 720'

Perforate @ 770'

Plug #3 770' - Surface with
100 sxs cement, squeeze
180 sxs outside casing and
circulate to surface, leave 10
sxs inside casing.

Cmt Retainer @ 1492'

Perforate @ 1542'

Plug #2 1542' - 1442' with
35 sxs cmt, squeeze 23 sxs
outside casing and leave 12
inside casing.

TOC @ 2790' (T.S.)

Plug #1 3150' - 2860' with
45 sxs cement inside casing.

Pictured Cliffs Perforations:
3110' - 3124'

4-1/2", 9.5#, J-55, csg set @ 3157'
Cmt w/75 sx

Ben Federal #1

PROPOSED P&A

Blanco Pictured Cliffs

NE Section 36, T-24-N, R-2-W, Rio Arriba County, NM

CASE "D"

Today's Date: 8/18/05

Spud: 12/8/61

Completed: 12/10/61

12-1/4" hole

San Jose @ 720'

Nacimlento @ 1402'

Ojo Alamo @ 2910'

Kirtland @ 2963'

Fruiland @ 3038'

Pictured Cliffs @ 3109'

6-3/4" hole

TD 3157'

8-5/8", 24.0# csg set @ 103'
Cmt w/60 sx (Circulated to Surface)

Perforate @ 163' Plug #4 153' - Surf with
42 sxs cement inside casing.

Cmt Retainer @ 720'

Perforate @ 770' Plug #3 770' - 570' with
66 sxs cmt, squeeze 47 sxs
outside casing and leave 19
inside.

Cmt Retainer @ 1402'

Perforate @ 1542' Plug #2 1542' - 1442' with
35 sxs cmt, squeeze 23 sxs
outside casing and leave 12
inside casing.

TOC @ 2790' (T.S.)

Plug #1 3150' - 2860' with
45 sxs cement inside casing.

Pictured Cliffs Perforations:
3110' - 3124'

4-1/2", 9.5#, J-55, csg set @ 3157'
Cmt w/75 sx