

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

EOG(New Mexico) Inc.

3. Address and Telephone No.

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

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

**Unit Letter B, 1165' FNL, 1650' FEL
Sec. 33-T24N-R1W**

5. Lease Designation and Serial No.

SF 079352-A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Harrington Federal #2

9. API Well No.

30-039-05255

10. Field and Pool, or Exploratory Area

Blanco Pictured Cliffs

11. County or Parish, State

Rio Arriba

12. 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.)

13. 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.)

Subject to approval of the BLM, EOG proposes to P&A the subject according to the attached procedure.

RECEIVED
NOV 1 8 1995

OIL & GAS
BLM

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

Signed **Will Hardin**

Title **Consultant**

Date **10-19-95**

(This space for Federal or State office use)

Approved by **Robert Kent**

Title **Chief, Lands and Mineral Resources**

Date **NOV 3 1995**

See surface restoration requirements in attached letter

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 AND ABANDONMENT PROCEDURE

10-11-95

Harrington-Federal #2 (PC) NE, Sec. 33, T24N, R1W Rio Arriba County, 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 rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and EOG safety rules and regulations.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line to flow back tank. Blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. Plug #1 (Ojo Alamo, 2605' - 2555') PU 2" tubing workstring and RIH with open ended tubing and tag CIBP at 2605'; or as deep as possible. Pump 20 bbls water. Mix 10 sxs Class B cement (100% excess, small plug) and spot a balanced plug from 2605' to 2555'. POH and WOC. RIH and tag cement. Pull above cement and load well with water; circulate casing clean. Pressure test casing to 500#. POH and LD tubing.
4. Plug #2 (Nacimiento top, 1537' - 1437'): Perforate 3 or 4 squeeze holes at 1537'. Establish rate into squeeze holes if casing tested. PU 4-1/2" cement retainer and RIH; set at 1487'. Establish rate into squeeze holes. Mix and pump 36 sxs Class B cement, squeeze 24 sxs cement outside casing from 1537' to 1437' and leave 12 sxs cement inside casing to cover Nacimiento top. POH and LD setting tool.
5. Plug #2 (Surface): Perforate 2 or 3 holes at 155'. Establish circulation out bradenhead valve. Mix approximately 45 sxs Class B cement and pump down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
6. ND BOP and cut off well head below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location.

Harrington-Federal #2

CURRENT

So. Blanco Pictured Cliffs

NE Section 33, T-24-N, R-1-W, Rio Arriba County, NM

Today's Date: 10/11/95

Spud: 11/9/60

Completed: 9/21/61

10-3/4" hole

8-5/8", 24.0#, Csg set @ 105',
Cmt w/ 100 sxs (Circulated to Surface)

Nacimiento @ 1487'

Workover History

Dec 1968: Pulled 1-1/4" tbg; set CIBP at 2750'; perf at 2732', sqzd with ? sxs; perf at 2622', sqzd with ? sxs; drill out to 2723'; PT OK; perf & frac from 2704' to 2714'; no tbg.

Jun 1995: Set CIBP at 2605' and dumped 2 sxs cmt on; attempt to PT casing.

Top of Cmt @ 2467' (Calc, 75%)

Ojo Alamo @ 2696'

CIBP @ 2605' w/ 2 sxs cmt on top (1995)

Perf @ 2622'; Sqzd in 1968

Perforations: 2704' - 2714' (1968)

Perf @ 2732'; Sqzd in 1968

CIBP @ 2750', Set in 1968

Kirtland @ 2970'

Fruitland @ 3005'

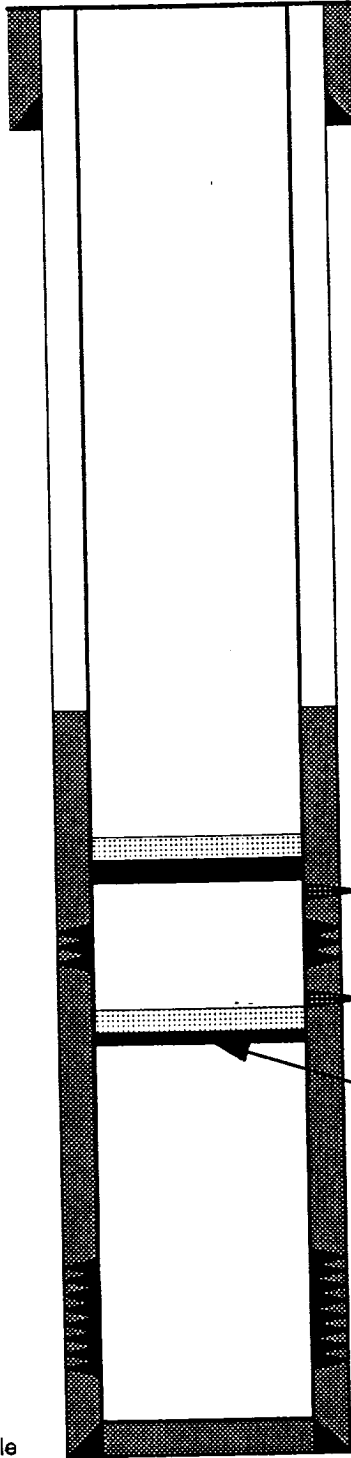
Pictured Cliffs @ 3070'

Pictured Cliffs Perforations:
3054' - 3072'

6-3/4" hole

TD 3108'

4-1/2" 9.5# Csg set @ 3108'
Cmt w/ 100 sxs



Harrington-Federal #2

Proposed P & A

So. Blanco Pictured Cliffs

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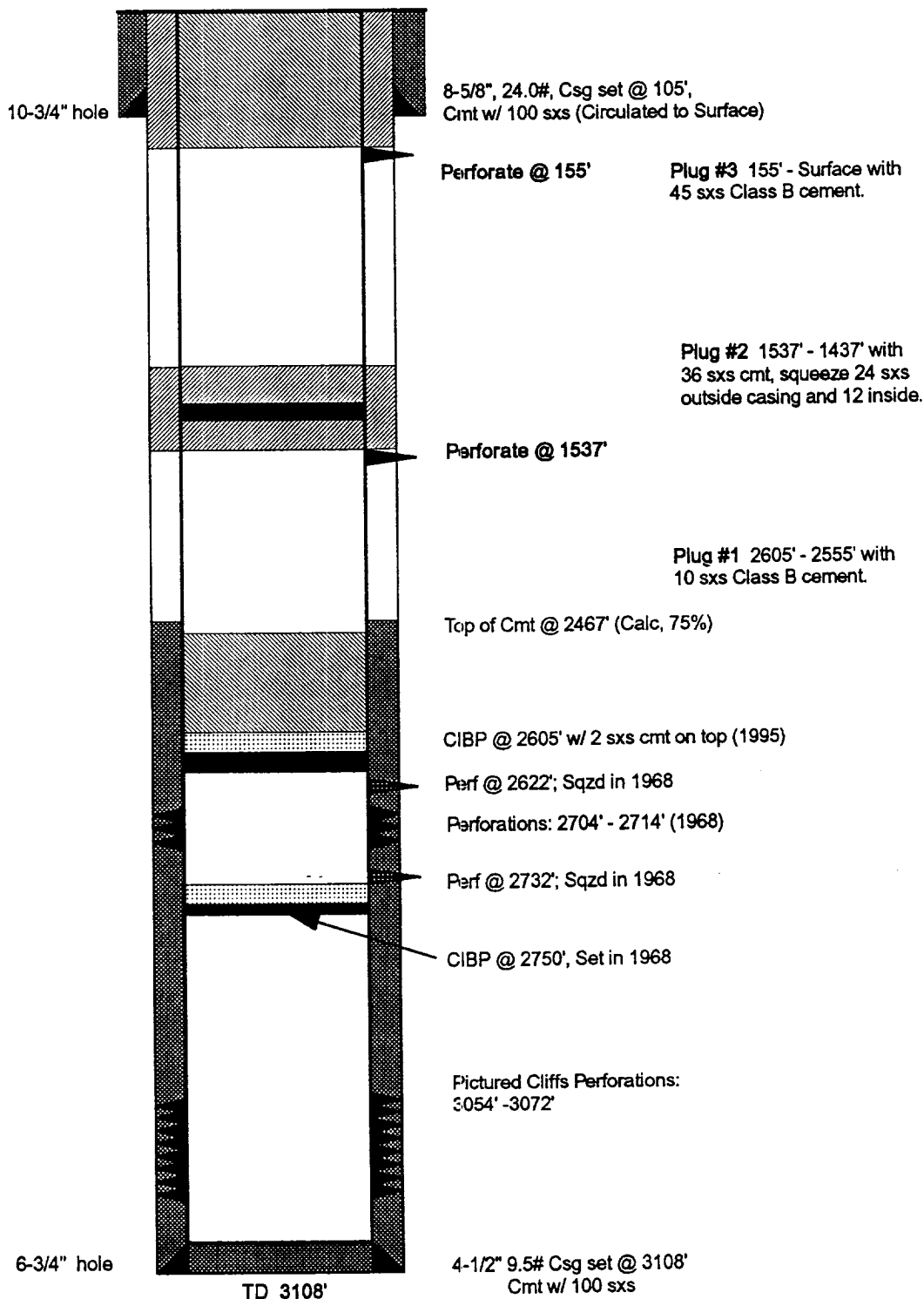
Nacimiento @ 1487'

Ojo Alamo @ 2696'

Kirtland @ 2970'

Fruitland @ 3005'

Pictured Cliffs @ 3070'



CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator EOG (NEW MEXICO) INC Well Name HERRINGTON FED #2

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :

Plug #2 across the Nacimiento Formation will isolate the water sands in the San Jose Formation. The cement volume specified in step 4 of the procedure will be INCREASED to a total of 51 sxs, 39 sxs will be placed outside the casing and 12 sxs will be placed inside the casing. This increase is necessary to ensure adequate isolation and protection of the fresh water zones which are used for domestic water sources in the area.