

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.

NMSF-078362

6. If Indian, Allottee or Tribe Name

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

Bannon Energy Incorporated

3. Address and Telephone No.

3934 FM 1960 West, Suite 240 -Houston, Texas 77068-3539

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

1830' FNL and 750'FWL - Sec 5-T23N-R6W

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Marcus #4

9. API Well No.

30-039-23736

10. Field and Pool, or Exploratory Area

Counselors Gallup-Dak.

11. County or Parish, State

Rio Arriba, NM

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 or 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.)*

Propose to plug and abandon this well per the attached procedure.

RECEIVED
JUL 6 1995

OIL CON. DIV.
DIST. 3

RECEIVED
BLM
95 JUN 29 PM 1:22
070 FARMINGTON, NM

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

Signed [Signature] Title Operations Manager

Date 6/28/95

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____ Date _____

AS AMENDED

JUL 03 1995

DISTRICT MANAGER

*See Instruction on Reverse Side

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.

PLUG & ABANDONMENT PROCEDURE

6-20-95

Marcus #4
Dakota/Gallup
NW Section 5, T-32-N, R-6-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 Bannan 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. POH and LD rods and pump, if present. Release anchor? POH and tally 2-3/8" tubing; visually inspect the tubing. If necessary LD and PU 2" workstring.
4. **Plug #1 (Gallup perforations & top, 5795' - 5445')**: RIH with open ended tubing 5795', or as deep as possible. Pump 30 bbls water, attempt to establish circulation. Mix 53 sxs Class B cement and spot a balanced plug from 5795' to 5445'. Pull out of hole and WOC. While WOC, PU 4-1/2" casing scraper or wireline gauge ring and round-trip to 3025'. RIH and tag cement. Load well with water and circulate clean. Pressure test casing to 500#. POH with tubing.
5. **Plug #2 (Mesaverde top, 3075' - 2975')**: Perforate 3 or 4 squeeze holes at 3075'. Establish rate into squeeze holes if casing tested. PU 4-1/2" cement retainer and RIH; set at 3025'. Establish rate into squeeze holes. Mix and pump 51 sxs Class B cement, squeeze 39 sxs cement outside casing from 3075' to 2975' to cover Mesaverde top and leave 12 sxs inside casing. POH to 2205'.
6. **Plug #3 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2205' - 1545')**: Mix 54 sxs Class B cement and set a balanced plug inside casing from 2205' to 1545' inside casing to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo formation tops. POH and LD tubing and setting tool.
7. **Plug #4 (Surface)**: Perforate 2 squeeze holes at 316'. Establish circulation out bradenhead valve. Mix approximately 90 sxs Class B cement and pump down 1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
8. BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

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PLUG & ABANDONMENT, NM

Marcus #4

Current

Counselors Dakota/Gallup

NW Section 5, T-23-N, R-6-W, Rio Arriba County, NM

Today's Date: 6/20/95

Spud: 8/24/85

Completed: 11/24/85

Workover: 4/11/88

12-1/2" hole

8-5/8" 24# J-55 Csg set @ 266'
271 cf cement (Circulated to Surface)

TOC @ 630' (T.S.)

WORKOVER HISTORY

4/88 - Re-perforated
Gallup fm 5533' - 5548'
and 5668' - 5676'.

Ojo Alamo @ 1595'

Kirtland @ 1665'

Pictured Cliffs @ 2155'

DV Tool @ 2331'
(cmt w/729 cf)

Mesaverde @ 3025'

Possible hole in casing between 3500' - 4200'.

Top of Cmt @ 4483', (Calc @ 75%)

175 jts 2-3/8" tubing @ 5693'

Gallup @ 5495'

Gallup Perforations:
5534' - 5745'

PBTD 5801'

7-7/8" hole

TD 5855'

4-1/2" 10.5# K-55 casing set @ 5855'
Cmt w/ 417 cf

070 FARMINGTON, NM

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Marcus #4

Proposed P&A

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Mesaverde @ 3025'

Gallup @ 5495'

7-7/8" hole

PBTD 5801'

TD 5855'

8-5/8" 24# J-55 Csg set @ 266'
271 cf cement (Circulated to Surface)

Perforate @ 316'

Plug #4 316' - Surface with
90 sxs Class B cement.

TOC @ 630' (T.S.)

Plug #3 2205' - 1545' with
54 sxs Class B cement.

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DV Tool @ 2331'
(cmt w/729 cf)

Cement Rt @ 3025'

Plug # 2 3075' - 2975' with
51 sxs cmt, 39 sxs outside
casing and 12 sxs inside.

Perforate @ 3075'

Top of Cmt @ 4483', (Calc @ 75%)

Plug #1 5795' - 5445' with
53 sxs Class B cement.

Gallup Perforations:
5534' - 5745'

4-1/2" 10.5# K-55 casing set @ 5855'
Cmt w/ 417 cf