

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

5. Lease Designation and Serial No.

NM0180 ~~4A~~ 4A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

NM 73517

8. Well Name and No.

FEDERAL #21

9. API Well No.

30-039-06249

10. Field and Pool, or Exploratory Area

GAVALIN/P.C.

11. County or Parish, State

RIO ARRIBA, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NM&O OPERATING

3. Address and Telephone No.

6 E. 5TH St., Suite 200, Tulsa, OK 74103 (800) 672-4008

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

890' fnl, 1650' fwl

SECTION 32, TOWNSHIP 26 NORTH, RANGE 2 WEST

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.)*

PLUGGED AND ABANDONED WELL AS PER CONDITION OF APPROVAL RECIEVED ON 3-17-00

SEE ATTACHED CEMENT SERVICE REPORT



RECEIVED
BLM
00 APR 17 AM 10:42
ALBUQUERQUE, N.M.

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

Signed Nathan E. Crawford FOR LARRY SWEET Title P&A SUPERVISOR

Date 04-07-00

(This space for Federal or State office use)

Approved by [Signature] Title Per. Eng.

Date 4/19/00

Conditions of approval, if any:

Surface Restoration Per NDI

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



RECEIVED
BLM

00 APR 17 AM 10:43

**PLUG & ABANDON
CEMENT SERVICE REPORT**

Key Energy Services, Inc.

Four Corners Division
5651 US Highway 64
P.O. Box 900
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

WELL NAME: FEDERAL #21

TOTAL PLUGS SET: 4

DATE STARTED: 03-27-00

TOTAL SACKS USED: 188 SX

DATE COMPLETED: 04-06-00

BLM WITNESS: A. YEPA
OPERATOR WITNESS: N/A

MOL AND RU. HELD SAFETY MEETING FOR EVERYONE ONE LOCATION. NU RELIEF LINE AND BLED DOWN WELL. ND WELLHEAD AND NU BOP. TESTED BOP. POH AND LD 3888.2' OF 1 1/2" TBG. RIH WITH 5 1/2" GAUGE RING TO 3850'. POH.

PLUG #1 (FRUITLAND, PICTURED CLIFFS, 3736' – 3849');

RIH WITH 5 1/2" CIBP AND SET AT 3844'. PU AND RIH OPEN ENDED WITH 2 3/8" WORK STRING AND TAGGED TOP OF CIBP AT 3849'. CIRCULATED HOLE CLEAN WITH WATER. ATTEMPTED TO PRESSURE TEST CASING TO 500 PSI BUT PRESSURE LEAKED OFF. BALANCED 24 SX CL. B CEMENT PLUG INSIDE CASING. POH AND WOC. RIH AND TAGGED TOC AT 3736'. PUH AND PERFORATED SQUEEZE HOLES AT 1850'.

PLUG #2 (OJO ALAMO, KIRTLAND, 3636' – 3736');

BALANCED 12 SX CL. B CEMENT PLUG INSIDE CASING TO BRING TOP OF CEMENT ABOVE THE OJO ALAMO FORMATION. POH AND WOC. RIH WITH TBG AND TAGGED TOP OF CEMENT AT 3645'. POH.

PLUG #3 (NACIMIENTO, 1600' – 1850');

PU AND RIH WITH 5 1/2" RETAINER AND SET AT 1799'. ESTABLISHED INJECTION RATE INTO PERFORATIONS WITH WATER AT 1 1/2 BPM WITH 1400 PSI. MIXED 62 SX CL. B CEMENT PLUG, PLACING 51 SX BELOW AND 11 SX ON TOP OF RETAINER. POH.

PLUG #4 (SURFACE, SHOE, TOP OFF, 0' – 165');

RIH WITH WIRELINE AND PERFORATED SQUEEZE HOLES AT 165'. ESTABLISHED CIRCULATION TO SURFACE THROUGH THE BRADON HEAD VALVE WITH WATER AND CIRCULATED HOLE CLEAN. MIXED 54 SX CL. B CEMENT TO CIRCULATE GOOD CEMENT TO SURFACE. ND WELLHEAD AND DUG CELLAR. CUT OFF WELLHEAD AND TOPPED OFF CASINGS WITH 16 SX. WOC. RD RIG AND MOL. TOPPED OFF CASINGS AGAIN WITH 20 SX CL. B CEMENT. INSTALLED DRY HOLE MARKER.


NATHAN E. CRAWFORD
P&A SUPERVISOR