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Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

O. C. D.
OFFICE

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

5. Lease Designation and Serial No.
NM 51073

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Muley Federal

9. API Well No.
1

10. Field and Pool, or Exploratory Area
Horseshoe Bend (Strawn)

11. County or Parish, State
Eddy, New Mexico

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

Collins & Ware, Inc.

3. Address and Telephone No.

303 W. Wall, Suite 2200, Midland, Texas 79701

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

1433' FSL & 1459' FEL of Sec. 26, T-23-S, R-25-E

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 Intermediate Casing

☐ 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.)*

A 12.25" hole was drilled to 2050' K.B. on 6/3/92. Full returns were lost while drilling at 920' K.B. The hole was dry drilled to 2050'. A caliper log was run prior to running casing to determine the best possible setting depth for the external casing packer (a copy of Cardinal Wireline field print is enclosed). 9.625" 43.50, 47, and 53.50#/ft., N-80 and S-95 Buttress casing was run and set at 2050' K.B. Top of external casing packer at 828.41' from surface. Top of D.V. tool at 778.08' from surface. Cemented first stage: 475 sacks Halliburton Lite with 1/2#/sk., flocele, 2% CACL2, and 10# Cal-Seal. (2.01 cu.ft./sk. yield, 12.7#/gallon), tailed in with 200 sacks Premium Plus with 2% CACL2, (1.32 cu.ft./sk., 14.8#/gallon weight). Dropped bomb and waited 6 hours, cement did not circulate. Cemented Second Stage: with 275 sacks Halliburton Lite with 1/4# flocele/sk., 4% CACL2, and 6# Gilsonite, (1.84 cu.ft./sk. yield, 12.7#/gallon). Tailed in with 100 sacks Premium Plus with 4% CACL2 and 6# gilsonite (1.32 cu.ft./sk., 14.8#/gallon). Cement did not circulate. Waited on cement for 3.5 hours and ran remperature survey, no cement top. Rig up to one-inch. Ran one inch 10 times with 35 sacks cement each run. Top of cement 686' after tenth run. Cemented with 255 sacks cement, circulated cement to surface. Set slips and nipped up, test to 2400 psig with rig pump. Cemented with a total of 570 sacks cement. Tested BOP, stack, safety valve to 5000 psig, tested hydrill 2000 psig.

NOTE: A cement Bond Log will be conducted on the 9.625" casing prior to running the next casing string.

Witnessed by the BLM

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

Signed

[Signature]

Title Agent for Collins & Ware, Inc.

Date 6/8/92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

[Signature]

Date