

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS COMMISSION
-rawer DD
Artesia, NM 88210

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

Kerr-McGee Corporation - U.S. Onshore Region

3. Address and Telephone No.

P. O. Box 25861, Oklahoma City, OK 73125 405/270-6039

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

1650' FSL & 1650' FEL, Section 30, T21S, R24E

5. Lease Designation and Serial No.

NM029301

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Martha Creek #1

9. API Well No.

30-015-10323

10. Field and Pool, or Exploratory Area

Indian Basin

11. County or Parish, State

Eddy County
New Mexico

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.)*

See Attached Procedure and Schematic

RECEIVED

APR 24 1995

OIL CON. DIV.
DIST. 2

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

Signed *Charles N. Hamilton*

Title Engineering Analyst

Date 3/22/95

(This space for Federal or State office use)

Approved by (ORIG. SGD.) JOE G. LARA

Title PETROLEUM ENGINEER

Date 4/26/95

Conditions of approval, if any: See attached.

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4—If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13—Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled; and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE — The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
 - (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2).
 - (3) Analyze future applications to drill or modify operations in light of data obtained and methods used.
 - (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.
- EFFECT OF NOT PROVIDING INFORMATION** — Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that: This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

**Martha Creek #1
Indian Basin Field
Eddy County, New Mexico**

P & A PROCEDURE

Current well status: Well has been shut-in since September 11, 1985. Well was a dual completion in the Cisco and Morrow formations. The Cisco watered out in 1978. Morrow gas production ceased in 1985. There is a leak at $\pm 3200'$ in the Morrow tubing string.

Note: Notify Mr. Shannon Shaw with BLM (505) 887-6544 at least 24 hours prior to plugging this well.

Use 9.0 ppg mud to displace cement in this procedure. Use an accelerator (such as calcium chloride) in all cement work to speed up setting times.

Class "H" cmt to be mixed @ 16.4 ppg w/ yield of 1.06 cu-ft/sack
Class "C" cmt to be mixed @ 16.4 ppg w/ yield of 1.33 cu-ft/sack

1. MI & set 3 frac tanks.
2. MIRU service unit. Bleed well down. ND wellhead, NU BOP. Shortstring is landed in Baker Model K Snap-set PKR @ 7271'. Apply straight pick-up (6000 lbs) to sting out of Model "S" seal nipple. POOH & stand back $\pm 2000'$ of tbg. LD remainder of shortstring.
3. Apply straight pick-up & POOH w/ 2-3/8" longstring & Model "K" PKR. Visually inspect longstring on way out. If tbg is bad, LD entire longstring and order a workstring. If tbg looks good, stand back in the derrick. LD bad jts of longstring.
4. RIH w/ tbg & tag PKR @ 9095'. PU 2' & spot 15 sx ($\geq 50'$) of Class "H" cmt on top of Baker Model "D" PKR @ 9095'. Note: Baker Model "N" tbg plug @ 9110'. Displace cmt w/ mud, PU 200' and reverse tbg clean. Pull tbg up to 7500' and spot 55 sx Class "H" cmt (250' balanced plug) up to 7250' (Plug must be 50' below and 50' above perms @ 7334 to 7444'). Displace cmt w/ mud. WOC & tag plug w/ tbg. Circ hole w/ 9.0 ppg mud and test csg to 500 psi. If csg won't test, notify OKC office.
5. To protect the Wolfcamp formation - Pull tbg up to 6900'. Spot 30 sx Class "C" cmt ($\geq 150'$ balanced plug) inside the csg from 6900' up to 6750'. POOH & standback 120 jts in derrick. LD remaining tbg.
6. RIH w/ 4" csg gun & tag cmt plug @ 6750'. PU & perf 4 shots (90 degree phasing) @ the following depths: 3500', 2050'.

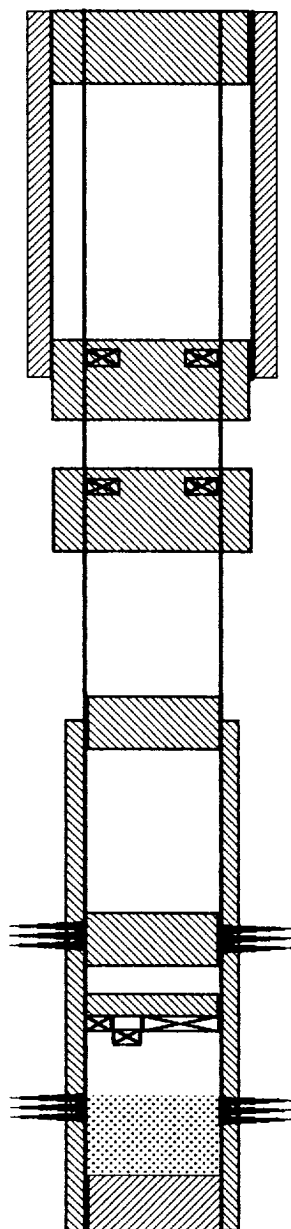
7. **To protect the Bone Springs formation - RIH w/ 7" cmt**
retainer on end of tbg. Set cmt retainer @ 3400'. Sting
into retainer & pump 45 sx of Class "C" cmt (100' balanced
plug). Sting out of retainer & pump 10 sx on top of
retainer. POOH.
8. **To set 100' plug 50' above and below 9-5/8" csg shoe - RIH**
w/ cmt retainer on end of tbg. Set retainer @ 1950'. Sting
into retainer & pump 45 sx Class "C" cmt (100' balanced
plug). Sting out of retainer & pump 10 sx cmt on top of
retainer. Displace w/ mud. TOOH w/ tbg.
9. **To set 50' plug at surface - RIH w/ tbg to 50'. Pump 15 sx**
Class "C" cmt to fill 7" csg, POOH. Run 1" tbg into 7" by
9-5/8" csg annulus. Load annulus w/ 10 sx Class "C" cmt.
ND BOP, cut off csg strings 3' below ground level and weld
steel plate over 13-3/8" csg. RD pulling unit. Set P&A
marker as per BLM specifications. Disassemble & haul off
any equipment (coordinate w/ Carl Thomas) and restore
location.



KERR-MCGEE CORPORATION WELL BORE SCHEMATIC

WELL NAME: MARTHA CREEK #1		FIELD: INDIAN BASIN	
LOCATION: SECTION 30 - T21S - R24E		COUNTY: EDDY	STATE : NM
ELEVATION: 3,722' GL ; 3,735' KB	SPUD DATE: 01/06/65	COMPLETION DATE: 03/01/65	
WELL BORE SCHEMATIC PREPARED BY: C.H. CARLETON		DATE: 02/27/95	

	DEPTH	SIZE	DRIFT	WEIGHT	GRADE	THREAD
CASING :	0 - 198'	13 3/8"		48#	H-40	
CASING :	0 - 2,002'	9 5/8"		36#	J-55	
CASING :	0 - 9,522'	7"		23,26#	J-55,N-80	LT&C
TUBING :						
TUBING :						



☐ CURRENT ☒ PROPOSED

CEMENT PLUG: 0'- 50'

CEMENT PLUG: 1,950'- 2,050'
CEMENT RETAINER @ 1,950', CAP WITH 10 SXS CEMENT.
PERFORATE 7" CASING @ 2,050', 4 SHOTS - 90 PHASING.

CEMENT PLUG: 3,400'- 3,500'
CEMENT RETAINER @ 3,400', CAP WITH 10 SXS CEMENT.
PERFORATE 7" CASING @ 3,500', 4 SHOTS - 90 PHASING.

CEMENT PLUG: 6,750'- 6,900'
TOC(CBL) @ 6,850'

DV TOOL @ 7,229'. CEMENT 2ND STAGE WITH 150 SXS.

CEMENT PLUG: 7,250'- 7,500'
CISCO (UPPER PENN) PERFORATIONS: 7,334'- 7,444' (OA)

BAKER MODEL "D" PACKER @ 9,095', CAP WITH 15 SXS(50') CEMENT.
BAKER MODEL "N" TUBING PLUG @ 9,110'
TOP OF FILL(AS OF 7/84) @ 9,146'
MORROW PERFORATIONS: 9,152'- 9,426' (OA)

PBTD @ 9,471'
7" CASING CEMENTED WITH 250 SXS.
TD @ 9,572'

BUREAU OF LAND MANAGEMENT
CARLSBAD RESOURCE AREA

Permanent Abandonment of Wells on Federal Lands

Conditions of Approval

1. Approval: Plugging operations shall commence within 90 days from the approval date of plugging procedure.
2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (505)887-6544 ; for wells in Lea County call (505) 393-3612.
3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet ; and a 5M system for a well not deeper than 22,727 feet.
4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" , for up to 7,500 feet of depth, mixed at 14.8 lbs./gal. with 6.3 gallons of fresh water per sack or class "H" , for deeper than 7,500 feet plugs, mixed at 16.4 lbs./gal. with 4.3 gallons of fresh water per sack.
6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).
7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.