

Form 3160-5
(September 2001)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side**1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other **WIW**2. Name of Operator
MARBOB ENERGY CORPORATION3a. Address **PO BOX 227, ARTESIA, NM 88211-0227**
3b. Phone No. (include area code) **(505) 748-3303**

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

1980 FSL 660 FEL, SEC. 23-T17S-R29E, UNIT I

5. Lease Serial No.

NMLC028793C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

NMNM88525X

8. Well Name and No.

BURCH KEELY UNIT #81

9. API Well No.

30-015-03060

10. Field and Pool, or Exploratory Area

GRBG JACKSON SR Q GRBG SA

11. County or Parish, State

EDDY CO., NM**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MARBOB ENERGY CORPORATION PROPOSES TO MODIFY OUR PLUG & ABANDONMENT PROCEDURE DUE TO WELL CONDITIONS AS SHOWN ON THE ATTACHED SCHEMATIC.

THE MODIFIED PROCEDURE HAS BEEN REVIEWED WITH JIM AMOS.

Accepted for record
NMOCD

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

DIANA J. BRIGGSTitle **PRODUCTION ANALYST**

Signature

Date **MAY 17, 2005****THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

Title

PETROLEUM ENGINEER

Date

MAY 20 2005

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

RFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on reverse)

Well: BKV 81 W/W

(Family B-10-7)

Location: 1980' FGL, 660' FEL

I-23-175-295

Edw NM

30-015-03042

Zeros: 3, 16

KB 1 3589

GL : 3586

Casing Program:

Size	Wt.	Grade	Conn.	Depth
8 5/8"	24			384'
7"	24	H4D		2459'
5 1/2"	14			240R-3282'
2 7/8"	4.7	JSS	30E	2325'
		Cement lined		AO-Liner

Top Soil: 345'

Box Salt: 755'

Note: Cut 7" @ 440' and couldn't pull. (moved $\frac{1}{2}$ " with 60,000 # pull). Ran pkr to $\pm 60'$ and established inj. 1.5 BPM @ 400 psi without circulation between 8 $\frac{5}{8}$ " & 7" casings. Suspect a braden head squeeze was pumped down 7" x 8 $\frac{5}{8}$ " in the past, but not documented.

BEFORE

DrId 3/43

TOC 210' core (12" hole)

8 5/8" = 384'

5054

7" ext 440'

R+pr 703

1505.

4 kops 1000'

TDC 1400' Calc (8 1/2" hole)

2034

70' east

Box 2104

7"22457"

100 SX

TDC 2750 76

5 1/2" liner 2400-3202' 35gx

- Graduate Next To Graduate -

KAC-111111

Well: BKV 81 WNW

(Formerly Burch C-7)

Location: 1780' FSL, 660' FEL

I-23-175-295

Eddy NM

30-015-03060

Zero: 3' AGL

KB: 3589'

GL: 3586'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
8 5/8"	24			384'
7"	24	H4D		2459'
5 1/2"	14			2408-3282'
2 3/8"	4.7	J55	EVE	2325'
			Cement Lined	AD-1 pk

Top Salt: 345'

Bot Salt: 755'

Note: Cut 7" @ 440' and couldn't pull. (moved 1/8" with 60,000# pull). Ran pkr to ±60' and established inj. 1.5 BPM @ 400psi without circulation between 8 5/8" & 7" casings. Suspect a braden head squeeze was pumped down 7" x 8 5/8" in the past, but not documented.

Procedure Modification Discussed w/ Jim Amos

- Set retainer ± 375' and pump 200sx "C"
 - IF communicates to tag x csg annulus, pull to ± 340' and reverse circulate cement out of hole.
- Shoot 4 holes ± 334' R/H with packer (or close blind rams) and attempt to establish inj. rate into perfs 334'.
 - IF inj. established, set retainer ± 275' and pump 100 sx "C" to retainer.
 - IF inj. can't be established, spot 30sx "C" inside 7" from retainer 375' to 200'. Reverse cement @ 200'.
- Shoot 4 holes @ ± 200' and try to establish circulation outside the 8 5/8" and in 8 5/8" x 7" annulus to surface.
 - IF can't establish circulation outside 8 5/8" shoot 4 holes @ ± 150' and try to establish circulation again.
- With tubing @ plug back depth, pump "C" until cement circulates to surface outside 8 5/8" (and between 7" & 8 5/8" if applicable) then fill 7" to surface. Pull tag & top off 7" (will likely need to have 150-200sx "C" on hand for this step).

AFTER

5 1/2" liner 2408-3282' 35sx

- Sketch Not To Scale -

KAROLLINS

