

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

B. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

COLLINS & WARE, INC.

3. ADDRESS OF OPERATOR

600 W. ILLINOIS, SUITE 701, MIDLAND, TEXAS 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1980' FSL AND 1980' FWL OF SECTION 31

At proposed prod. zone

K

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

30 MILES EAST OF CARLSBAD, NEW MEXICO

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

127.44

17. NO. OF ACRES ASSIGNED
TO THIS WELL

334.72

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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19. PROPOSED DEPTH

15,200'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3622.4' GL Capitan Controlled Water

22. APPROX. DATE WORK WILL START*

BOPON APPROVAL

23.

PROPOSED CASING AND CEMENTING PROGRAM

R-111-P Potash Secretary's Potash

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	800'	SUFFICIENT TO CIRCULATE
12-1/4"	9-5/8"	36#	4600'	SUFFICIENT TO CIRCULATE
8-3/4"	7"	23# & 26#	12,000'	1250 SACKS - SEE STIPS.
6-1/8"	5" Liner	18#	15,200'	300 SACKS

AFTER SETTING PRODUCTION CASING, PAY ZONE WILL BE PERFORATED
AND STIMULATED AS NECESSARY.

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
BOP SKETCHES
SURFACE USE AND OPERATIONS PLAN



APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Arthur R. Brown

TITLE

Agent

DATE

5-3-91

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

5/4/91

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECEIVED

MAY 30 1991

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HOBBS OFFICE

MEXICO OIL CONSERVATION COMM. N
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

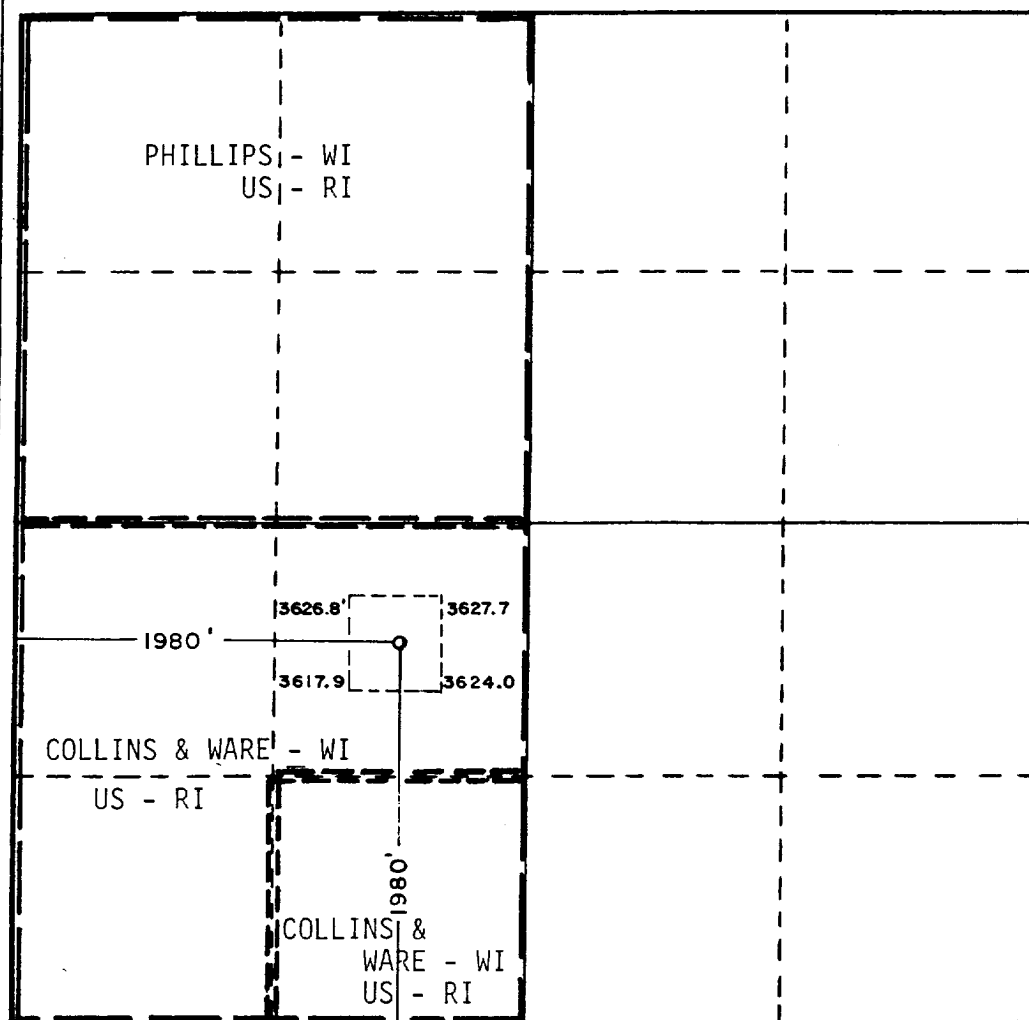
Operator COLLINS & WARE INC.			Lease BILBREY 31 FEDERAL			Well No. 1
Unit Letter K	Section 31	Township 21 SOUTH	Range 32 EAST	County LEA		
Actual Footage Location of Well: 1980 feet from the SOUTH line and 1980 feet from the WEST line						
Ground Level Elev. 3622.4	Producing Formation MORROW		Pool UNDESIGNATED BILBREY MORROW		Dedicated Acreage: 334.72 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation TO BE COMMUNITIZED

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Arthur R. Brown

Position

Agent

Company

COLLINS & WARE, INC.

Date

May 3, 1991

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

4-10-91

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST,**

876

RONALD J. EIDSON, 3239

REC-13

MAY 30 1991

220
HOMES OFFICE

SUPPLEMENTAL DRILLING DATA

COLLINS & WARE, INC.

BILBREY "31" FEDERAL WELL NO.1

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Delaware Lime	4525'
Bell Canyon	4625'
Cherry Canyon	5450'
Brushy Canyon	6800'
Bone Springs	8550'
Wolfcamp	11,600'
Strawn	13,200'
Atoka	13,600'
Morrow	14,300'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Morrow	Gas
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4. PROPOSED CASING AND CEMENTING PROGRAM:

13-3/8" 48# H-40 STC casing to be set at approximately 800 feet in 17-1/2" hole. Casing to be cemented with 500 sacks of Light cement tailed in with 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

9-5/8" 36# K-55 and S-80 STC casing to be set at approximately 4600 feet in 12-1/4" hole. Casing to be cemented with 1000 sacks of Light cement tailed in with 200 sacks of Class "C" with 5% salt. Cement to circulate.

7" 23# and 26# S-95 LTC casing to be set at approximately 12,000 feet in 8-3/4" hole. Casing to be cemented with 1250 sacks of 50-50 Poz "H" cement.

5" 18# S-95 liner to be set in the interval 11,800 feet to total depth and cemented with 300 sacks of Class "H" cement.

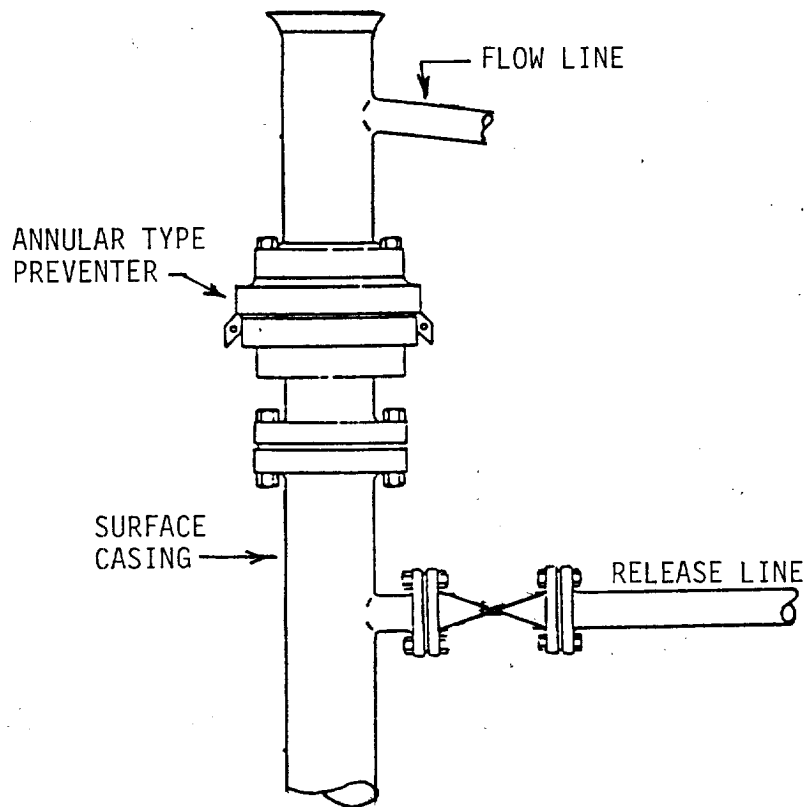
5. PRESSURE CONTROL EQUIPMENT:

Sketches are attached showing planned BOP stacks.

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MAY 30 1991

OFFICE
NOBIS OFFICE



1500 PSI WORKING PRESSURE

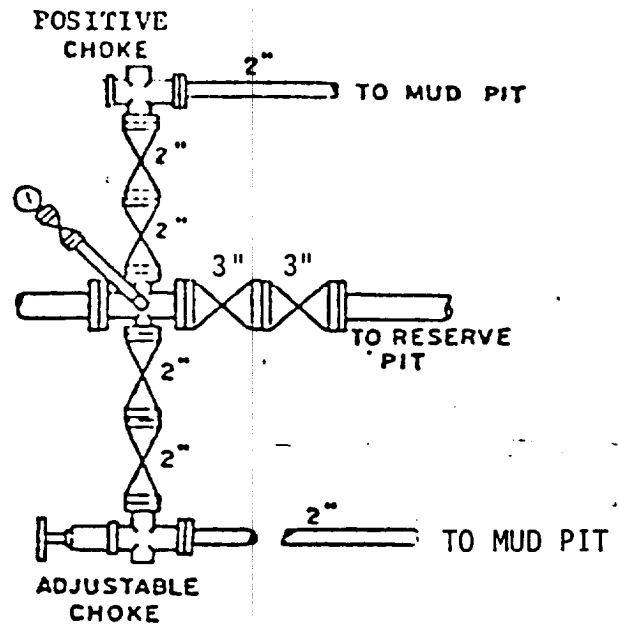
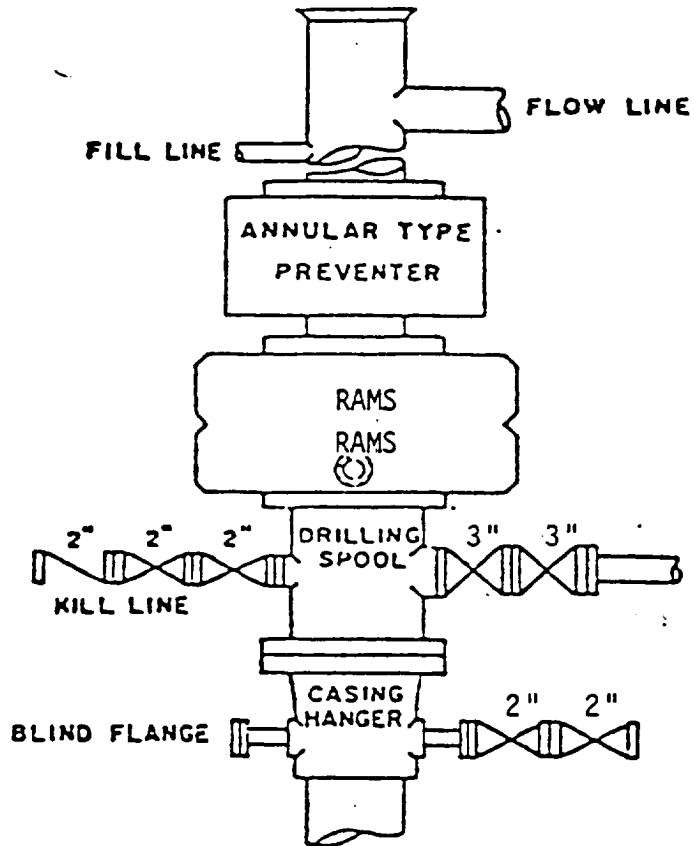
IN USE WHILE DRILLING BELOW
SURFACE CASING

BOP ARRANGEMENT

REC2

MAY 30 1997

OCB
MOBES OFFICE



BOP STACK

5000 PSI WORKING PRESSURE

IN USE WHILE DRILLING BELOW 9-5/8" CASING SEAT

BOP ARRANGEMENT

RE...

MAY 30 1954

OF
MOBBS C...