

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells)

30-005-62670

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V 2829

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☐

RE-ENTER ☒

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. Name of Operator

Havenor Operating Company

8. Well No.

1

3. Address of Operator

609 E. Tierra Berrenda, Roswell, NM 88201

9. Pool name or Wildcat

Buffalo Valley Penn

4. Well Location

Unit Letter E : 1650 Feet From The north Line and 990 Feet From The west Line

Section 31

Township 14S

Range 28E

NMPM

Chaves

County

10. Proposed Depth

8560 ft

11. Formation

Atoka - Morrow

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

3531.0 GL

14. Kind & Status Plug. Bond

1 well / active OK

15. Drilling Contractor

United Drlg.

16. Approx. Date Work will start

Aug. 01, 1990

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
approx. 9.5"	4.5"	11.6 #/ft	8350 ft. KB	410	7500 ft

Re-enter to original TD of 8560'. Case to approximately 8350' w/ above casing program. Perforate, acidize, and possibly sand frac (if necessary) selected intervals between 8050' and 8300' (KB reference). Test and evaluate.

Originally drilled as BTA Buffalo 8816 JV-P #1. Reassign to BTA State #1

PYA 5-7-89

PERMIT VALID FOR 180 DAYS
PERMIT EXPIRES 2/2/90
DRILLING UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE

Randy Havenor

TITLE

Geologist

DATE

July 13, 1990

TYPE OR PRINT NAME

Randy Havenor

TELEPHONE NO. 625-2327

(This space for State Use)

ORIGINAL SIGNED BY

MIKE WILLIAMS

SUPERVISOR, DISTRICT II

APPROVED BY

TITLE

DATE

AUG 2 1990

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

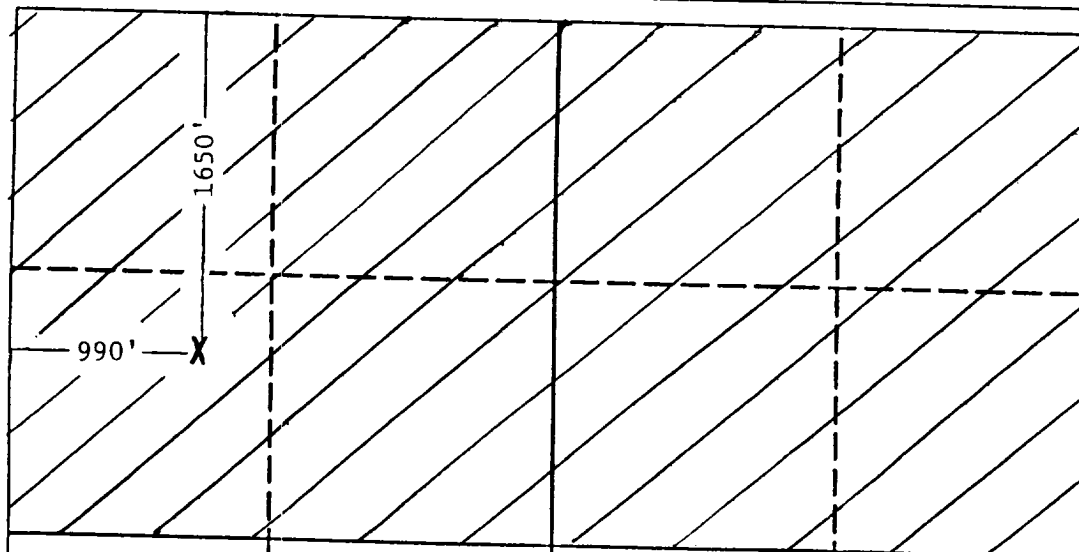
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Havenor Operating Company			Lease BTA State		Well No. 1
Unit Letter E	Section 31	Township 14S	Range 28E	County Chaves	
Actual Footage Location of Well: 1650 feet from the north line and 990 feet from the west line					
Ground level Elev. 3531.0		Producing Formation Atoka - Morrow		Pool Buffalo Valley Penn	Dedicated Acreage: 329.19 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
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 interest, has been approved by the Division.



Originally drilled as BTA Buffalo 8816 JV-P #1
Please see original plat.

OPERATOR CERTIFICATION

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

Signature *Randy Havenor*

Randy Havenor

Printed Name

Geologist

Position

Havenor Operating Company

Company

July 13, 1990

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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

Signature & Seal of
Professional Surveyor

Certificate No.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-4-65

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

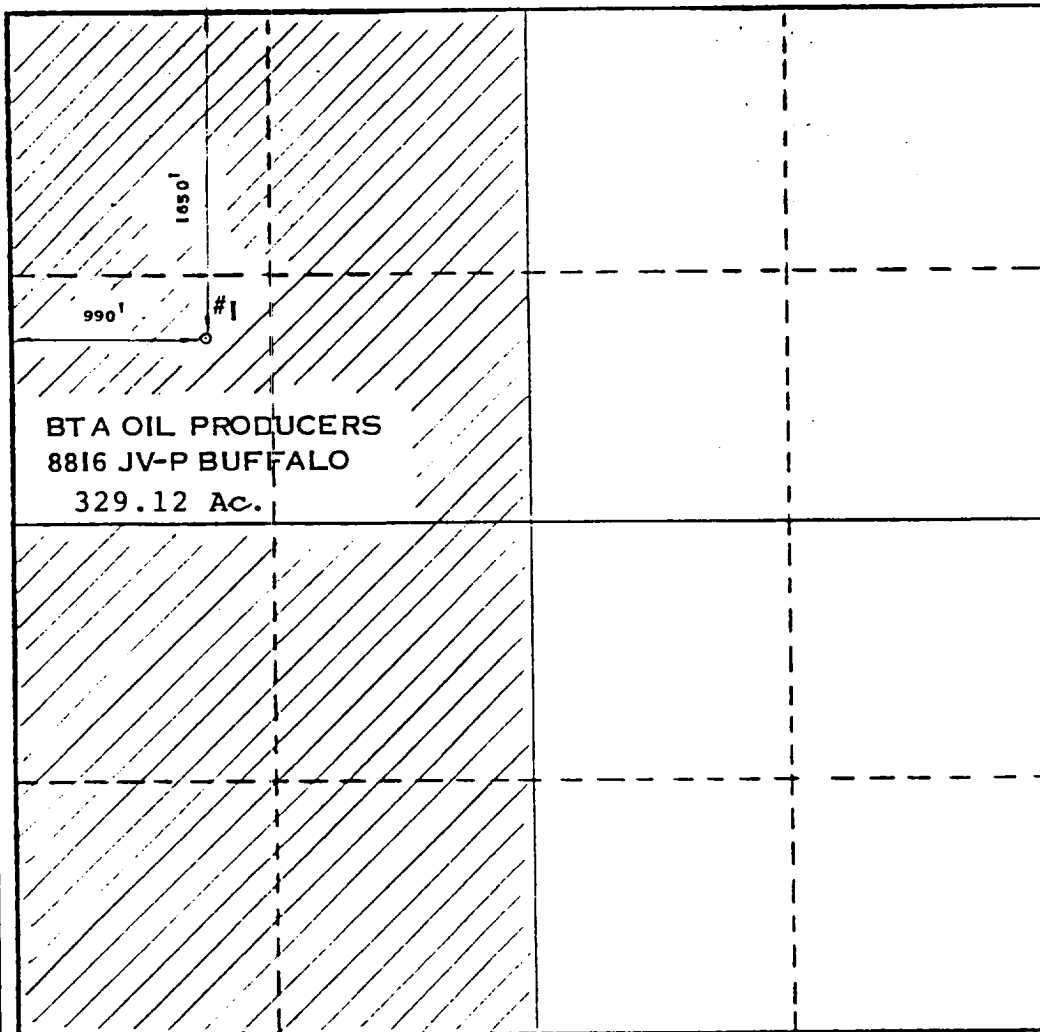
Operator BTA OIL PRODUCERS		Lease Buffalo, 8816 JV-P		Well No. 1
Unit Letter "E"	Section 31	Township 14-S	Range 28-E	County CHAVES
Actual Footage Location of Well: 1650 feet from the NORTH line and 990 feet from the WEST line				
Ground Level Elev. 3531	Producing Formation PENN	Pool BUFFALO VALLEY (PENN)		Dedicated Acreage: 329.12 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 _____

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.

Dorothy Houghton
Name

DOROTHY HOUGHTON
Position
Regulatory Administrator

Company
BTA OIL PRODUCERS

Date
February 16, 1989

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
FEBRUARY 15, 1989

Registered Professional Engineer and Land Surveyor
Max A. Schumann, Jr.
MAX A. SCHUMANN, JR.

Certificate No. **1510**

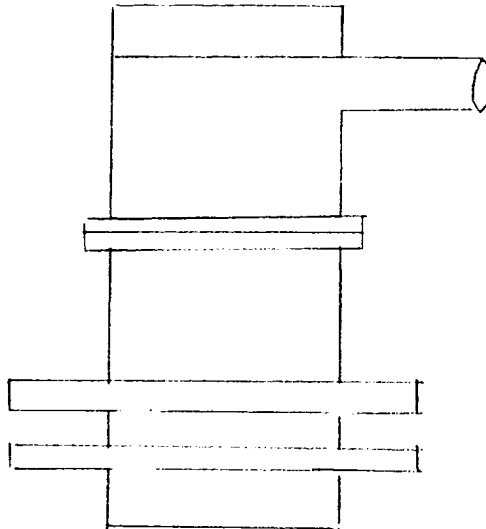
Blowout Preventer Configuration

Havenor Operating Company

BTA State No. 1

1650' FNL & 990' FWL 31-T14S-R28E

Chaves Co., New Mexico



10" Grant Rotating Head

Blind rams

4" rams

10" Schaefer 3000# BOP

Hydraulic Control