

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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  
Kenai Oil & Gas Inc.

3. ADDRESS OF OPERATOR  
2000 Energy Center One-717-17th St. Denver, Colo. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
1650 FSL/790 FWL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
50 miles from Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 790'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL  
100 W/322.89

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None drilled

19. PROPOSED DEPTH 6500

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, ET, GR, etc.)  
7109 G.L.

22. APPROX. DATE WORK WILL START\*  
12-30-79

5. LEASE DESIGNATION AND SERIAL NO.  
NM-23051

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
West Lybrook Unit

8. FARM OR LEASE NAME  
Federal-7

9. WELL NO.  
13

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota (Test)

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
S-7 T23N R7W

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
N.M.

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	200 Sx-Circ to surface
7 7/8	4 1/2	10.5#	6500'	250 Sx

Selectively test perforate and sandwater fracture the Dakota formation.  
A 3000 psi WP and 6000 psi test double gate preventer equipped with blind  
and pipe rams will be used for blow out prevention.  
The SW 1/4 of Section 7 is dedicated to this well.  
The gas is dedicated.



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. 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 [Signature] TITLE Agent DATE 12-14-79  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE DEC 18 1979  
CONDITIONS OF APPROVAL, IF ANY:

ok Frank

\*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-85

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

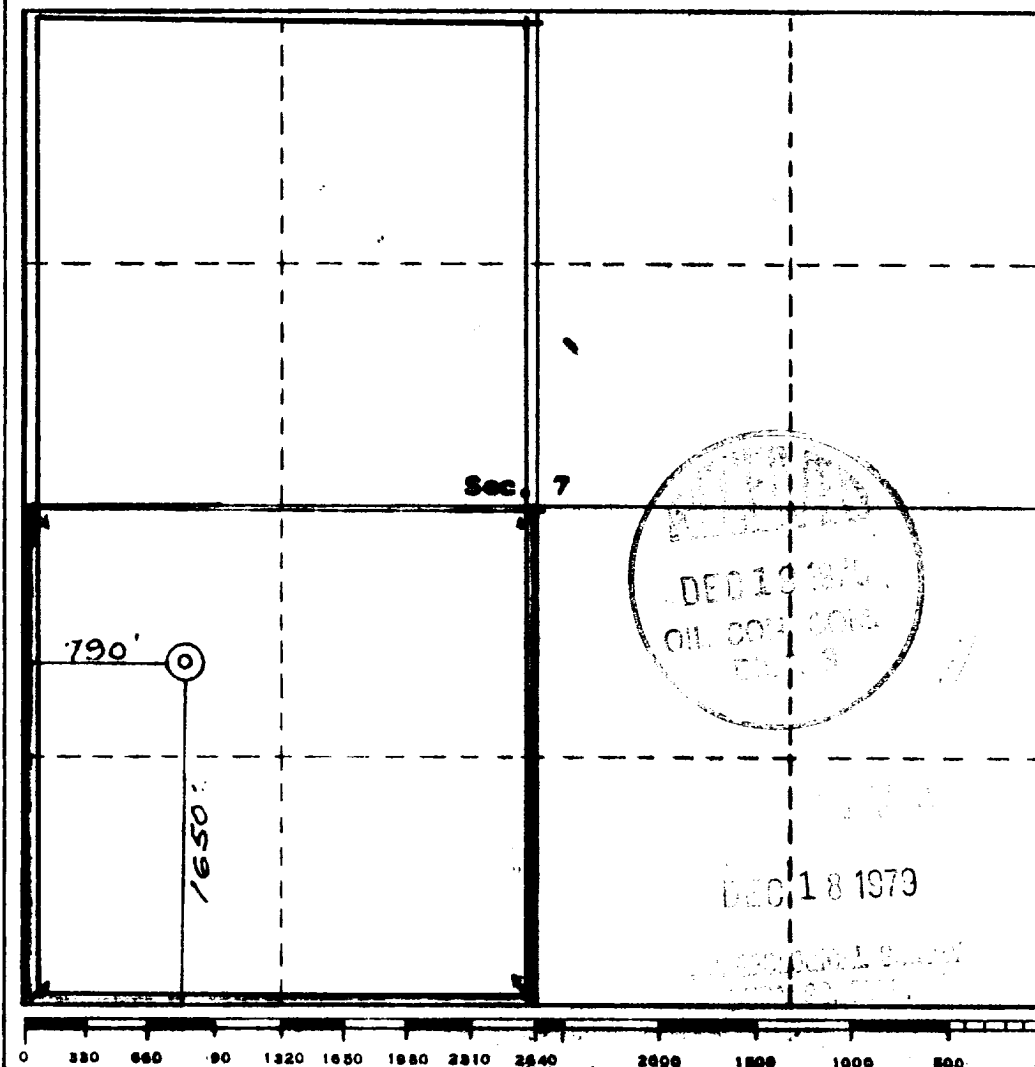
Operator <b>KENAI OIL &amp; GAS, INC.</b>			Lease <b>FEDERAL - 7</b>		Well No. <b>13</b>
Unit Letter <b>L</b>	Section <b>7</b>	Township <b>23 NORTH</b>	Range <b>7 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well:					
<b>1650</b>		feet from the <b>SOUTH</b>	line and <b>790</b>	feet from the <b>WEST</b>	line
Ground Level Elev. <b>7109.0</b>	Producing Formation <b>Dakota (test)</b>		Pool <b>Basin</b>	Dedicated Acreage: <b>160-372.88</b> 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**

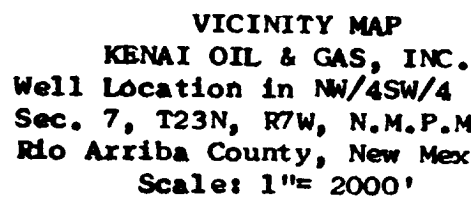
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name *J. F. Elledge*  
 Position Agent  
 Company Kenai Oil & Gas Inc.  
 Date 12-14-79

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.

**11 December 1979**  
 Date Approved  
*Curtis C. Stocking*  
 Registered Professional Engineer  
 and/or Land Surveyor  
**Curtis C. Stocking**  
**5980**  
 Certificate No. \_\_\_\_\_

INAGREZI 1.62.500



KENAI OIL & GAS INC.  
Federal 7-13  
L-7-23N-7W  
1650 FSL/790 FWL  
Rio Arriba County, New Mexico

1. Existing Roads

Refer to Map which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during this period.
2. Planned Access Roads

The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed 20 feet (20') in width. Upon completion all roads will be adequately drained to control said erosion. Drainage facilities may include ditches, water bars, culverts or other measures necessary to insure proper drainage.
3. Location of Existing Wells

See attached map. (None)
4. Location of Tank Batteries, Production Facilities, and production Gathering and Service Lines

If this well is productive, it would be gas. The facilities would be a wellhead, tanks for produced condensate (if any) separator and gas line to the well. The tanks and separator would be set 150' from the well head and production lines will be buried across the location.
5. Location and Type of water supply

No arrangement for water has been made at this time.
6. Source of Construction Materials

All construction material will be purchased and hauled to the location. No additional Materials will be required.
7. Methods of Handling Waste Materials
  - a. Cuttings will be buried 3' below surface.
  - b. Drilling fluid will be left in a fenced, open pit to evaporate.
  - c. Portable toilet to be provided.
  - d. Trash will be burned in burn pit then buried.
  - e. After pit area is dry, cuttings will be pushed into pit and sub soil will be placed on any remaining fluid and cutting then top soil will be placed over both Pit and location area.

8. Ancillary Facilities

No camps or airstrips will be associated with this project.

9. Well site Layout

Refer to attached plat.

10. Plans for Restoration of the Surface

After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out as controlled by the regulatory body.

11. Other Information

The terrain is sloping slightly and is covered with pinon, cedar and sagebrush.

12. Operator's Representative

Elledge Consulting & Production Company  
Box 819  
Bloomfield, New Mexico 87413

Harold Elledge-President  
Office Phone: 632-3385  
Home Phone: 632-8476

OR

Kenai Oil & Gas Inc.  
2000 Energy Center One  
717-17th Street  
Denver, Colorado 80202  
Phone: 303-893-1142

13. Certification

I hereby certify that I, or persons under my supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Kenai Oil & Gas Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date:

  
Harold W. Elledge

December 14, 1979

OPERATIONS PLAN

Federal 7-13

- I. Location: L-7-23N-7W  
Field: Basin Dakota Test  
Elevation: 7109 G.L.

II. Geology:

- A. Formation Tops: Pictured Cliffs 3600'  
Greenhorn 6000'  
Dakota "A" 6100'  
B. Logging Program: I-ES and Gamma-Ray-Density logs  
C. Coring Program: None

III. Drilling:

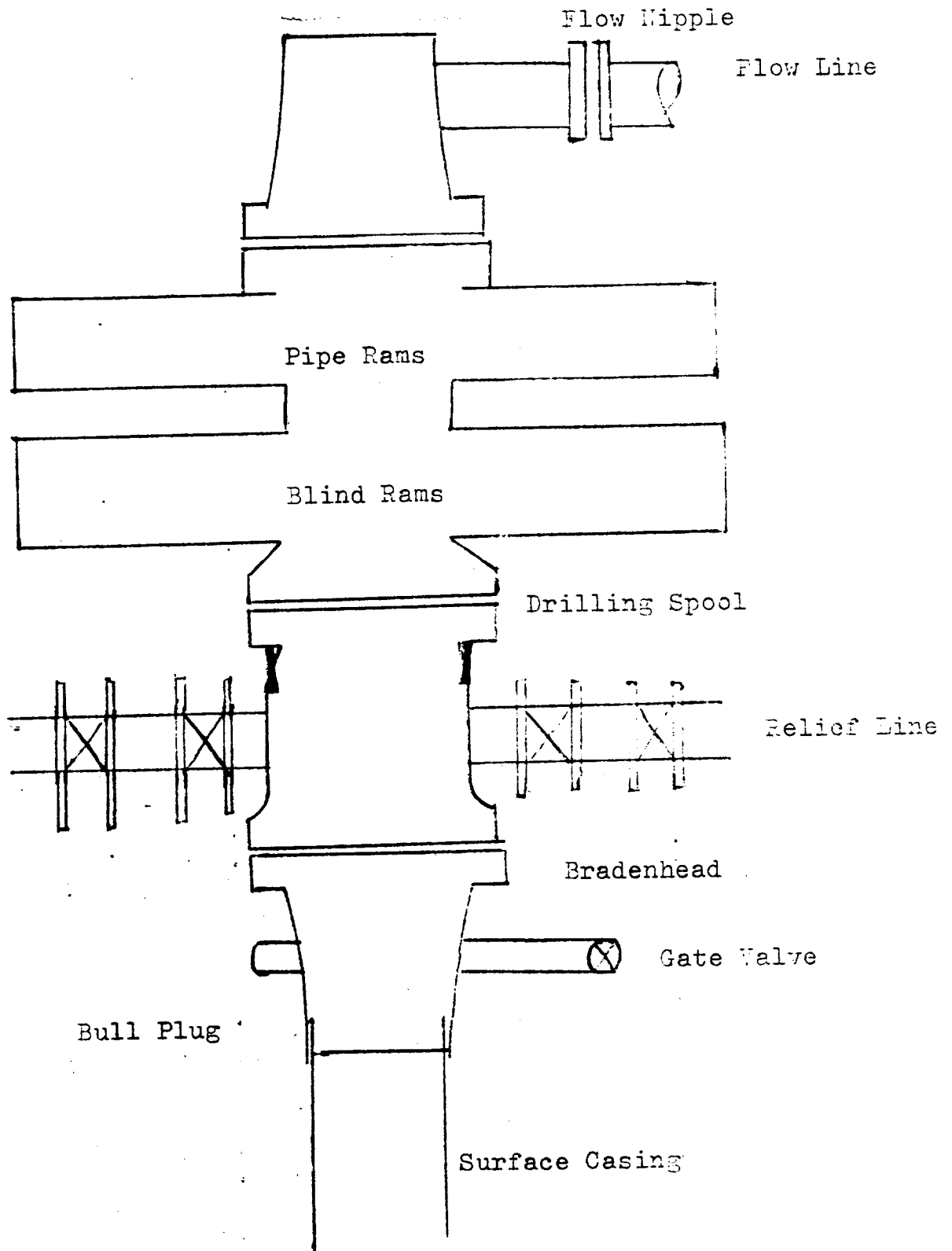
- A. Mud Program: Low solid mud-surface to T.D.

IV. Materials:

- | A. Casing Program: | <u>Hole Size</u> | <u>Depth</u> | <u>Casing Size</u> | <u>Wt. &amp; Grade</u> |
|--------------------|------------------|--------------|--------------------|------------------------|
|                    | 12 $\frac{1}{4}$ | 300'         | 8 5/8"             | 24# H-40               |
|                    | 7 7/8            | 6500'        | 4 $\frac{1}{2}$ "  | 10.5# K-55             |
- B. Float Equipment: Casing will be run with regular guide shoe and float collar. The pipe will be centralized through the Dakota Pay.
- C. Tubing: Should a commercial well be made, 2 3/8" 4.7# EUE tubing will be utilized for the completion string.
- D. Wellhead Equipment: A Series 600 flanged tree will be used to accomodate the 4 $\frac{1}{2}$ " production casing and the 2 3/8" tubing.

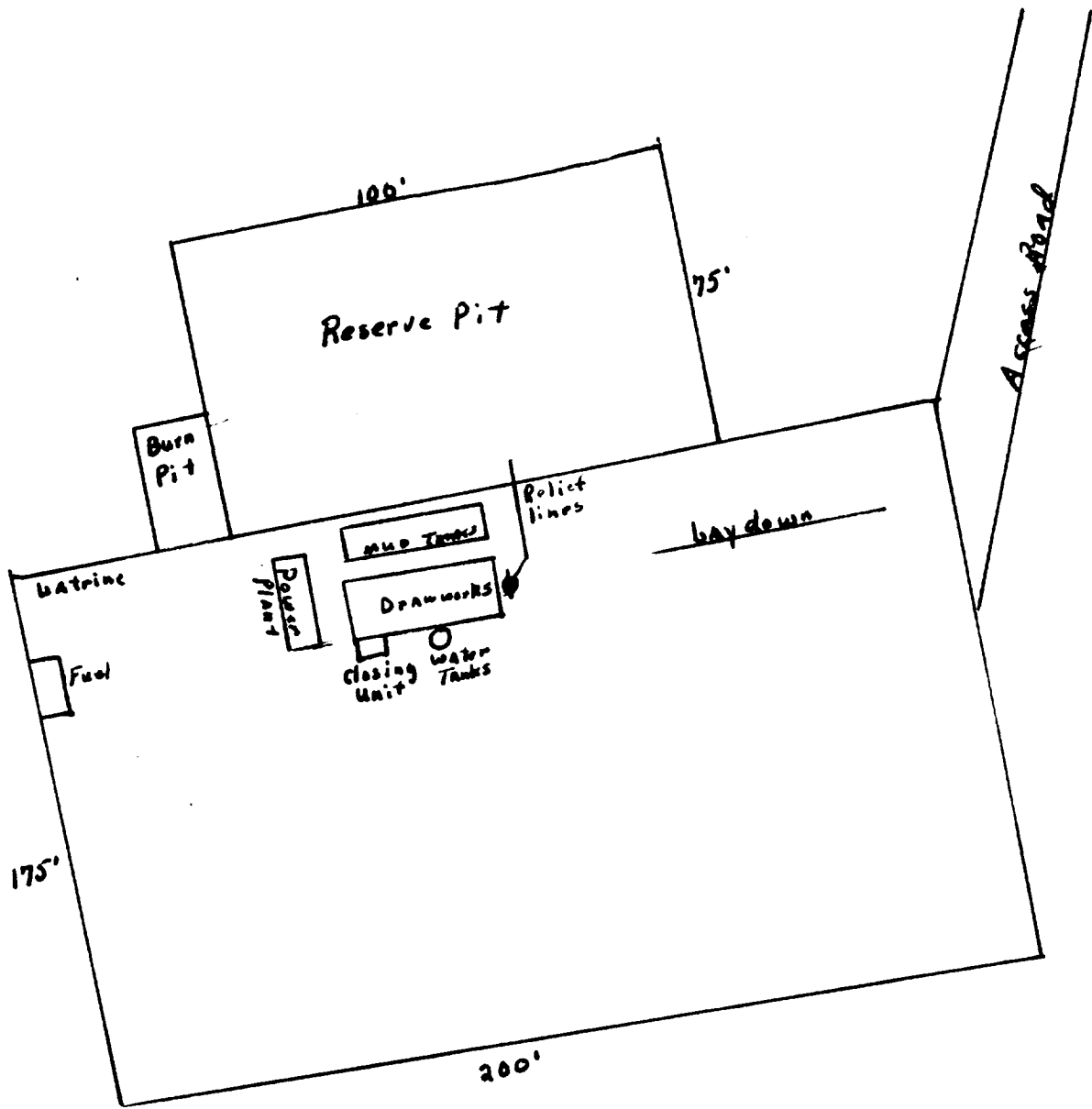
- V. Cementing: The Dakota interval will be cemented conventionally with 250 sx 50/50 Pozmix cement, 10% salt, and 1% gel. Loss circulation additives may be used if needed.

# Typical B. O. P. Installation



Series 900 Double Gate BOP, rated  
at 3000 psi Working Pressure

Kenai Oil & Gas Inc.  
Location Plat  
Federal-7 No 13  
W-7-23N-7W



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