

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-031-20575

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

WTR Oil Company

3. ADDRESS OF OPERATOR

P.O. Drawer LL, Cortez, CO 81321

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

At surface

M 350' FSL & 350' FWL
At proposed prod. zone

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

23 (Twenty three)

19. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

480

19. PROPOSED DEPTH

2350'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

6828 GL

22. APPROX. DATE WORK WILL START*

soon as approved

23.

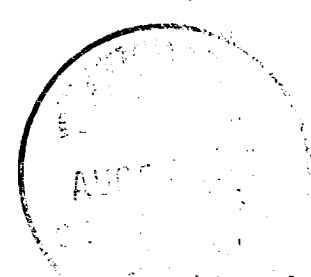
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9"	7"	23#	31'	cement to surface
6½"	4½"	9.5#	2300'	180 sks

Plan to drill a 9" hole and set 31' of 7" surface casing and cement to surface and test pipe. Drill a 6½" hole with mud into the Point Lookout and test the Mesa Verde SS. Run 4½" casing cement to within 200' of surface, perforate and test feasible SS.

Est. tops Fruitland - Surface
Picture Cliff - 535
Cliff House - 1745
Meneffee - 1864
Point Lookout - 2200

Plan to use a double ram B.O.P. with Hydraulically activated ram.



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

James T. Heasley

TITLE

Co-operator

DATE

8/14/79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ok Frank

AUG 17 1979

U. S. GEOLOGICAL SURVEY
DENVER, COLO.

Instructions

Form 1. This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either the Federal or State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form are indicated in the instructions 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.

Form 2. If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult the local Federal or State office for Federal regulations concerning subsequent work proposals or reports on the well.

Form 3. If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal or State office for specific instructions.

Form 4. Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the location of the well, and any other required information, should be furnished when required by Federal or State agency offices.

Forms 5 and 6. If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Form 7. Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
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.

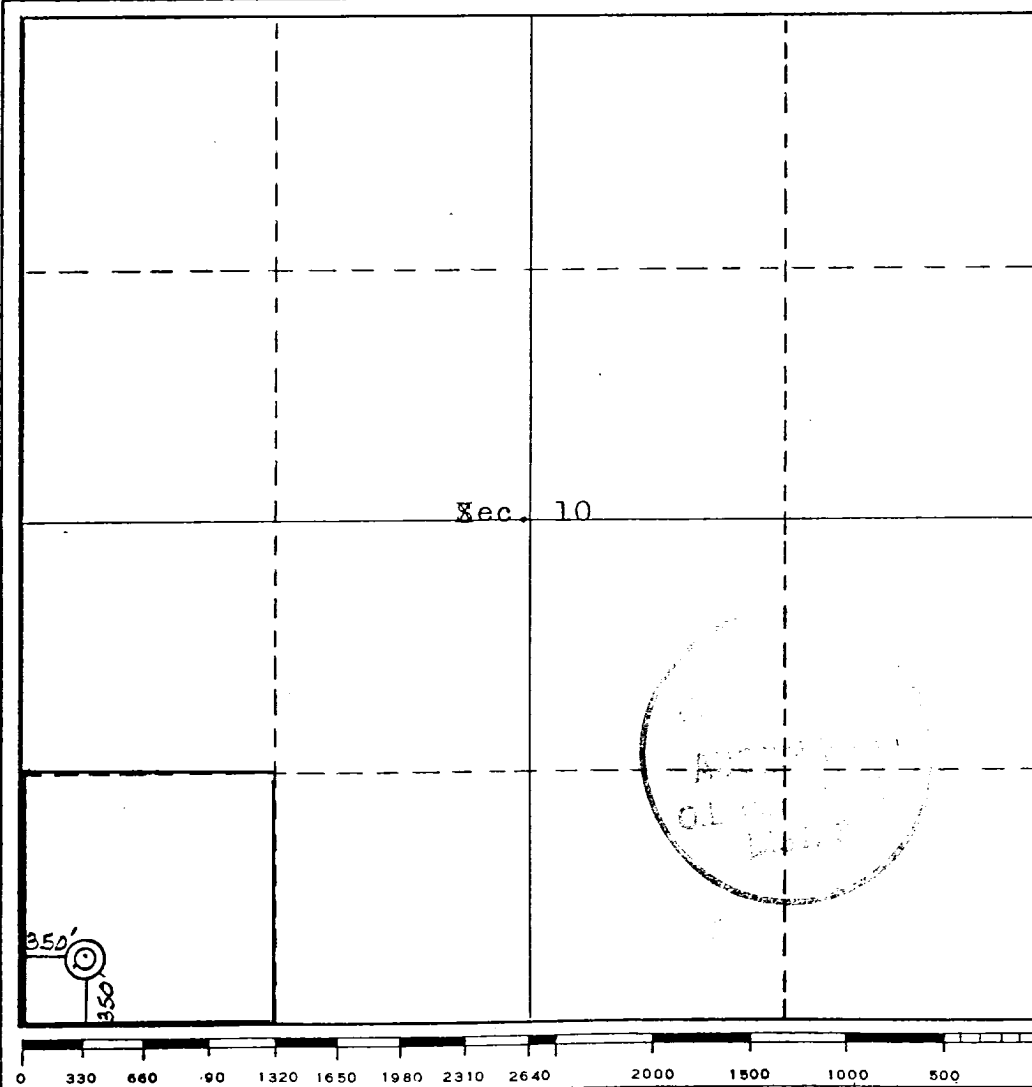
Operator W. T. R. OIL CO.			Lease WTR		Well No. 1
Unit Letter M	Section 10	Township 19 NORTH	Range 6 WEST	County McKINLEY	
Actual Footage Location of Well: 350 feet from the South line and 350 feet from the West line					
Ground Level Elev. 6828.0	Producing Formation Mesa Verde		Pool WC	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.

James P. Woosley
Name
James P. Woosley

Position
Co-Operator

Company
WTR Oil Company

Date
8-10-79

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.

31 July, 1979

Date Surveyed
Curtis C. Stocking
Registered Professional Engineer
and/or Land Surveyor

Curtis C. Stocking
5980
5980LS

Certificate No. **CURTIS C. STOCKING**
LAND SURVEYOR

WTR Oil Company

P. O. DRAWER LL

CORTEZ, COLORADO 81321

United States Geological Survey
Department of the Interior
P.O. Box 959
Farmington, NM 87401

Re: Thirteen Point Development
Plan for Surface Use

Gentlemen:

The following thirteen point development plan for surface use is submitted in connection with the application to drill and test a well in Section 10 Township 19 North Range 6 West N.M.P.M. in McKinley County New Mexico.

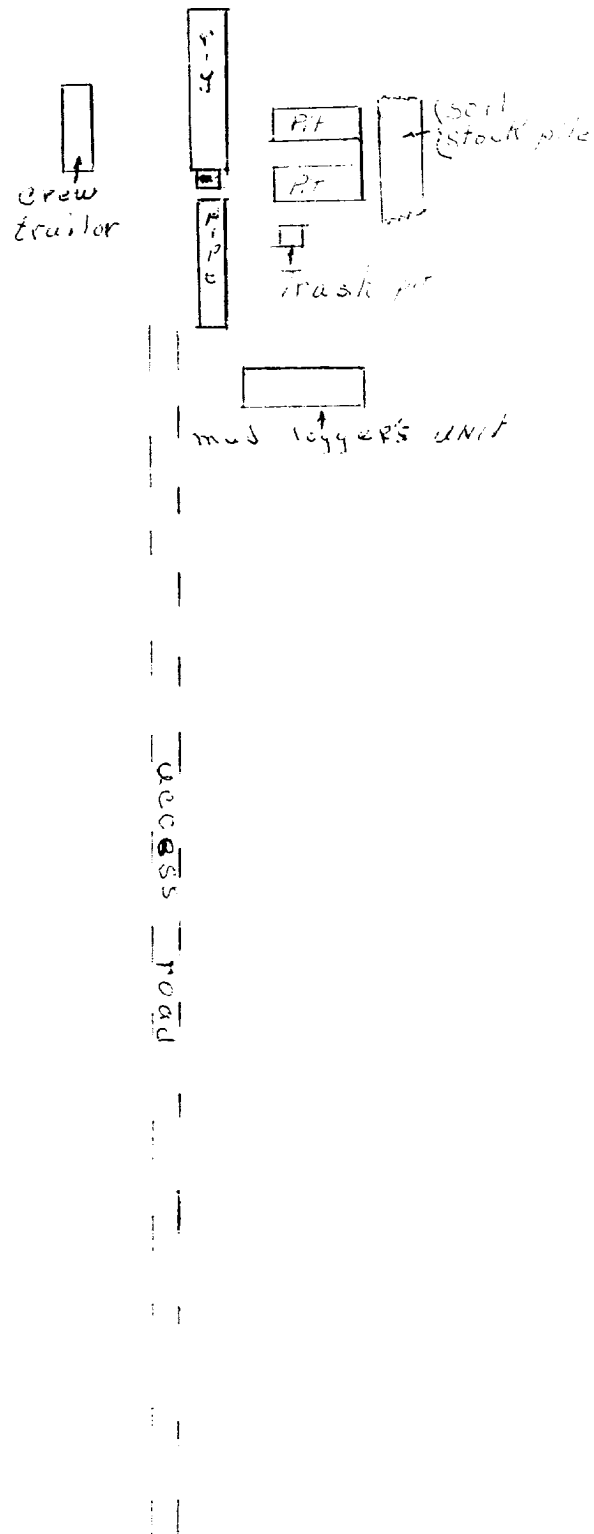
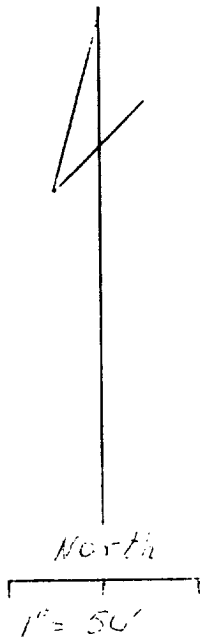
1. We have submitted as a part of the application to drill a plat showing the well location and another plat showing all roads and drainage in the area. No other roads are contemplated.
2. The existing road is a dirt road and any departure therefrom to the drill site will utilize trails and it will be unnecessary to use road graders or tractors for the construction thereof.
3. The location of the proposed well in relation to the other roads in the area is delineated on the second plat which is submitted with the application to drill.
4. Lateral roads will not be necessary.
5. We plan to install a temporary small tank at the well site for testing purposes. In the event the well is successfully completed as a commercial producer we will then plan to install a tank battery at some point within the lease and at that time we will submit a new plan for tank battery and gathering line.

6. The drilling operations will be conducted with a rotary rig and small mud pits for the contemplated operations will be required. Water will be hauled for mud so no water lines are necessary. Water will be used from an existing well on the lease.
7. Trash will be picked up and put in trash pit and burned, then covered at least 2 ft. below ground level, pit will be covered and leveled. If well is dry the location will be reseeded. Cuttings will be circulated to the mud pits and buried later when pits are dry. Drilling fluids will also be buried when dry. Produced oil will be put in storage tanks and produce water, if any, will eventually be put back in the ground. Sewage is in a self-contained trailer on the drilling location. Garbage will be in pit shown on location plat.
8. There will be no camp, neither permanent nor temporarily, established on drilling location.
9. There will be no air strip.
10. The location and layout is shown on the second plat submitted with the Application to drill. The location will not be compacted except to the extent that compaction accrues with normal traffic and use.
11. In the event the strata to be tested proves nonproductive the well will be plugged and abandoned and the entire location will be leveled and reseeded. In the event the drilling operation is successful as mentioned in paragraph 5 above a plan will be submitted for the required facilities in connection with the well.
12. The area is generally sandy with gentle rolling hills with some rock ledges on top. There will be no cuts or fills because the area is level. Surface is private land.
13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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,

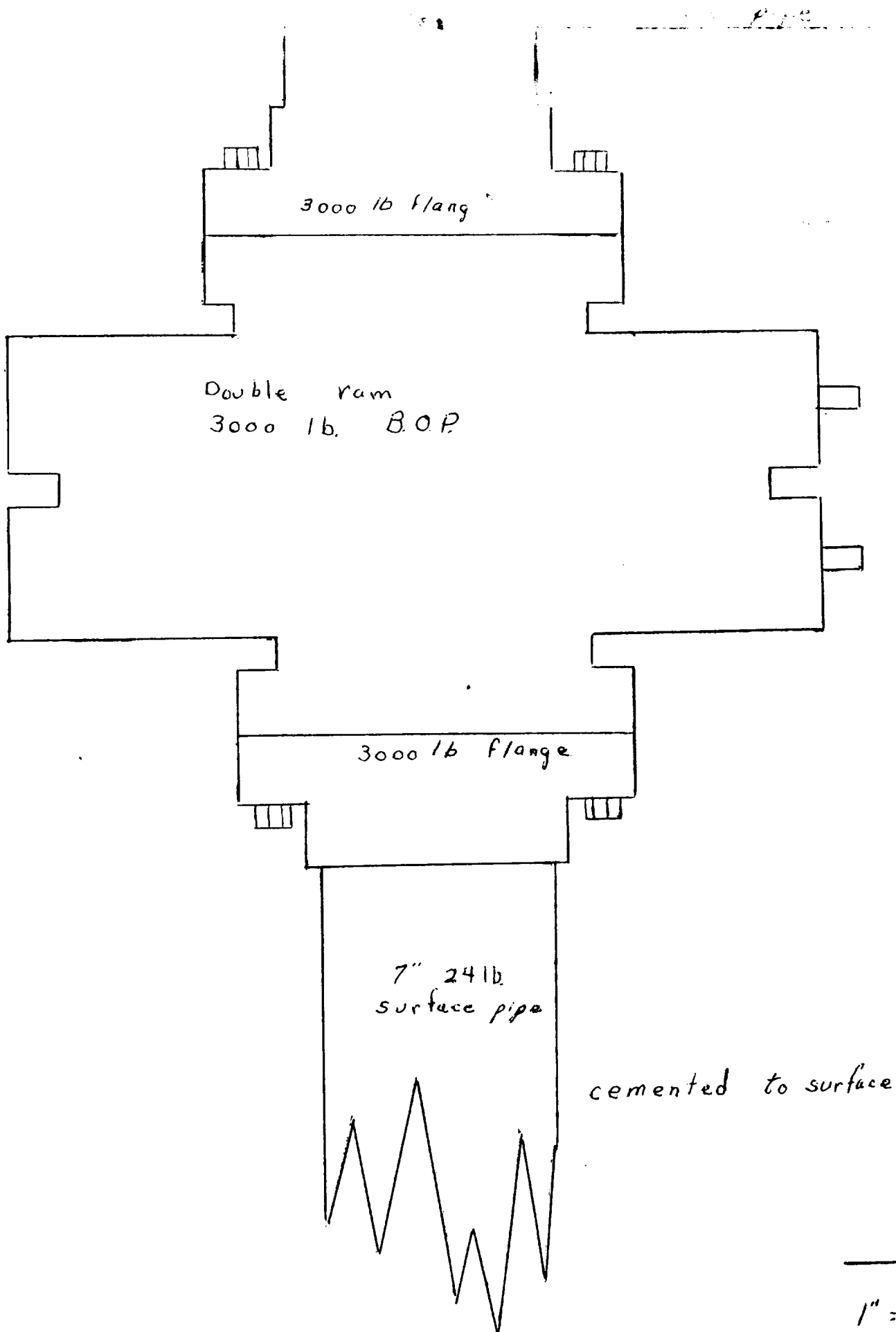
that the work associated with the operations
proposed herein will be performed by W. J. Dailling, Jr. and its
contractors and subcontractors in conformity
with this plan and the terms and conditions
under which it is approved.

Aug 15, 1979
Date

James H. Stanley, Jr. Operator
Name and Title



existing access road
← To State #3 well



1" = 4"

Section II - B

Surface is a small amount top soil, approximately 4' - 6', overlaying the Fruitland SS.

top of Picture Cliff SS	531
top of Chacra SS Lewis Shale	846
top of Cliff House SS	1740
top of Meneffee SS	1858
top of Point Lookout SS	2193
Oil is anticipated at	2160
water at	1558

Surface of new pipe: production string will be new 4½".

We will keep the mud at 9 lbs. to 9.2 lbs. to minimize any formation damage to any possible production zone. It will be a basic gel or bentonitic mud, this will be circulated with a 5½" x 10" mud pump down the drill pipe and up the annulus through surface pipe, B.O.P. and flow pipe to the mud pits.

Mud loggers unit and equipment will be used from surface to T.D. Then Open Holes logs and Induction Electric and Density logs will be ran.

No abnormal pressures or temperatures are anticipated nor hazardous gas.

There will be no cuts and fills since the location is already level.