

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

Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59102

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

At surface

1100' FSL, 875' FWL

At proposed prod. zone

same

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

13 mi. NW Lindrith

15. DISTANCE FROM PROPOSED*

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

820

18. DISTANCE FROM PROPOSED LOCATION*

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

1300' (P.C.)

16. NO. OF ACRES IN LEASE

1015.18

19. PROPOSED DEPTH

6300'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

339.75

20. ROTARY OR CABLE TOOLS

Rotary

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

7404' GL

22. APPROX. DATE WORK WILL START*

November 15, 1981

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#	200'	200 sacks
6-1/4"	4-1/2"	11.6#	6300'	300 sacks - 6300-5000'
				600 sacks - 4000-1500' *

(* 2nd stage to cover Ojo Alamo)

Propose to mud drill with rotary tools to total depth. If productive will run 4 1/2" casing to total depth and cement in two stages as above. Gas from this well is committed.

Estimated Formation Tops:	Ojo Alamo	2075'	Point Lookout	6075
	Fruitland	3775	Total Depth	6300
	Pictured Cliff	3875		
	Lewis	3925		
	Cliff House	5575		

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 D. Rautson

TITLE

DATE

10/8/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

NOV 12 1981

CONDITIONS OF APPROVAL, IF ANY:

NWLI needs written

m2

All distances must be from the outer boundaries of the Section

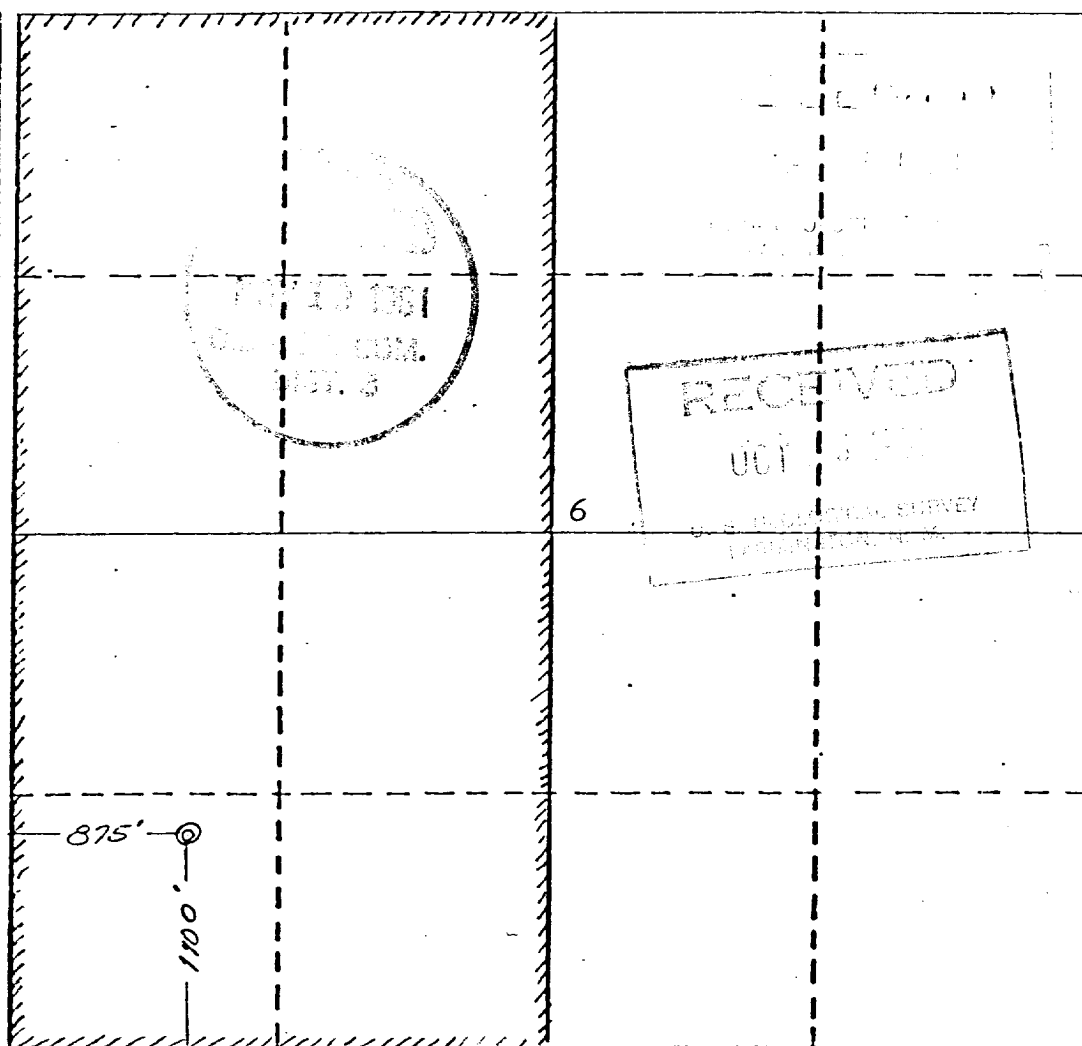
Operator Bear-tooth Oil & Gas Co. CURTIS LITTLE		Lease Minel Federal		Well No. 3A #2
Unit Letter M	Section 6	Township 25 NORTH	Range 3 WEST	County RIO ARriba
Actual Postage Location of Well: 1100 feet from the SOUTH line and 875 feet from the WEST line				
Ground Level Elev. 7404	Producing Formation Mesa Verde Dakota	Pool CLANCI MESA VERDE -Basin-Dakota	Dedicated Acreages 340 339.75 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 Division.



CERTIFICATION

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

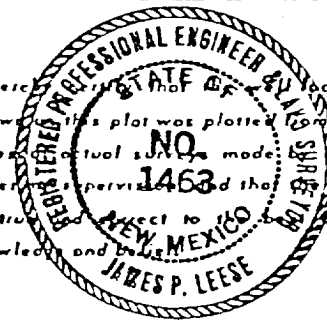
Name **CURTIS J. LITTLE**

Position **OPERATOR**

Company **CURTIS J. LITTLE**

Date **May 13, 1980**

I hereby certify that this plat was plotted from field notes of actual survey 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 **April 16, 1980**

Registered Professional Engineer and/or Land Surveyor
James P. Leese

Certificate No. **1463**