

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-22676

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

CURTIS J. LITTLE Beartooth Oil & Gas Co.

3. ADDRESS OF OPERATOR

P. O. BOX 2487, Farmington, N.M. 87401

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

At surface

1780' FSL 1665' FWL

At proposed prod. zone

same

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

12 miles NW of Lindrith

15. DISTANCE FROM PROPOSED*

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

1665'

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

200'

P.C. well

16. NO. OF ACRES IN LEASE

856

17. NO. OF ACRES ASSIGNED
TO THIS WELL

w/308.06

19. PROPOSED DEPTH

8150

20. ROTARY OR CABLE TOOLS

rotary

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

7212 Gr

22. APPROX. DATE WORK WILL START*

July 1, 1980

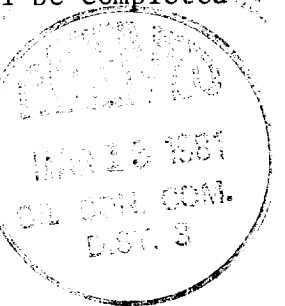
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	10-3/4	40.5	200'	200 SX
9-3/4	7-5/8	26.4	6050'	400 SX COVER OJO ALAMO
6-1/4	4-1/2	11.6	5950-8150'	300 SX

Propose to drill with rotary and set intermediate csg with 2 stage cement with stage-collar at base of the Pictured Cliffs Formation. Gas drilling is proposed to base of Dakota formation where 4-1/2" liner to be set. Mesaverde and Dakota will be completed if productive. Gas from this well is committed.

Estimated Formation Tops:

Ojo Alamo	1850	Point Lookout	5850
Fruitland	3550	Gallup	6850
Pictured Cliffs	3650	Greenhorn	7800
Lewis	3700	Dakota	7900
Cliff House	5350	T.D.	8150

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MAY 10 1981
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

Curtis J. Little

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDEDMAR 12 1981
JAMES F. SIMS
DISTRICT ENGINEERAPPROVED
AS AMENDEDMAR 11 1981
JAMES F. SIMS
DISTRICT ENGINEER

DATE May 12, 1980

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

*See Instructions On Reverse Side

NMCC

All distances must be from the outer boundaries of the Section

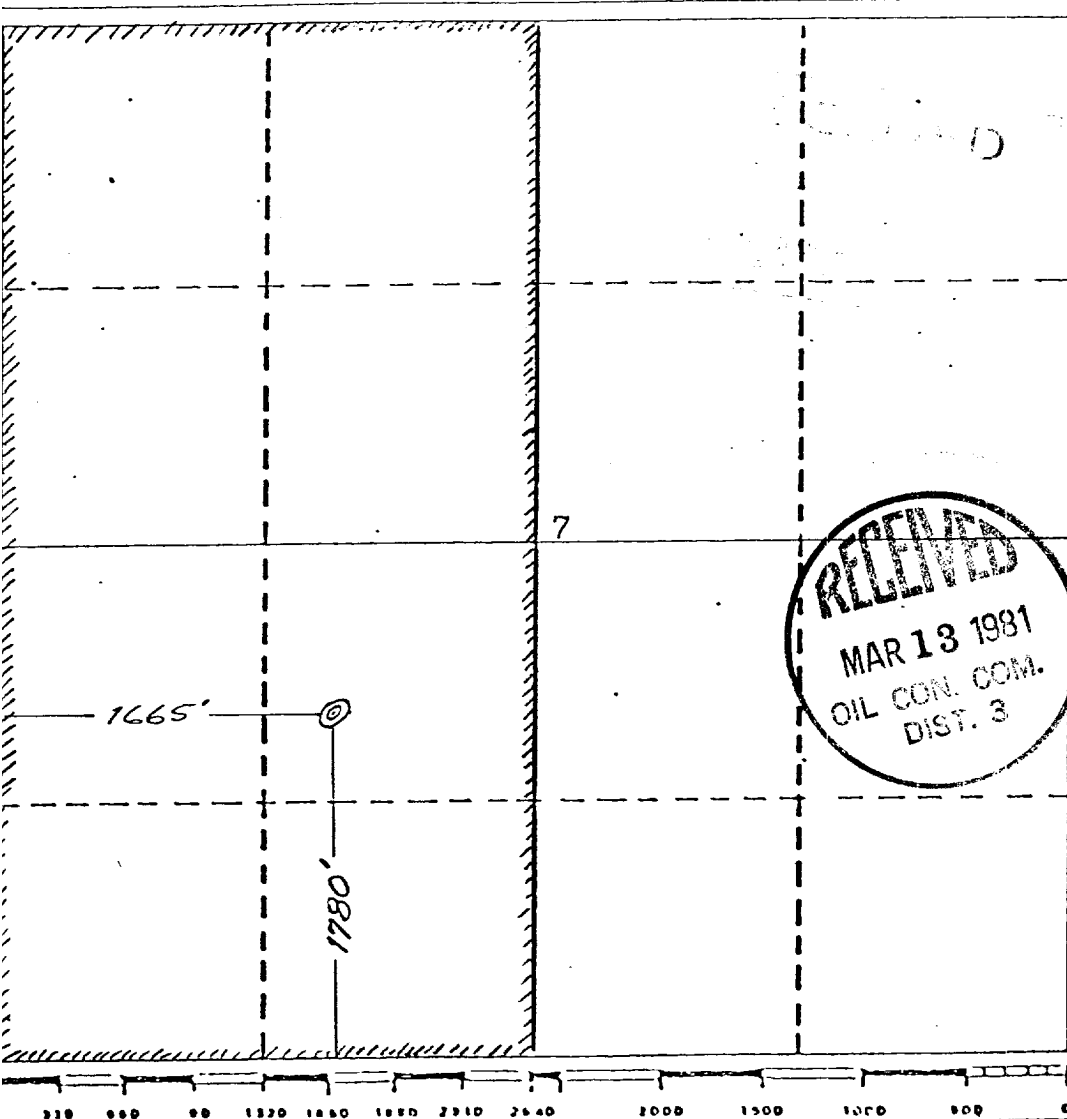
Operator <i>Bearfoot Oil & Gas Co</i> CURTIS LITTLE		Lease Minel		Well No. 1 E	
Unit Letter K	Section 7	Township 25 NORTH	Range 3 WEST	County RIO ARriba	
Actual Postage Location of Well:					
1780 feet from the SOUTH line and		1665 feet from the WEST line			
Ground Level Elev. 7212	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage 308 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.

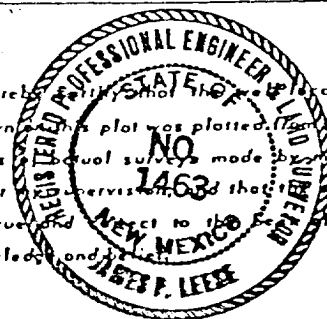
Name
CURTIS J. LITTLE

Position
OPERATOR

Company
CURTIS J. LITTLE

Date
MAY 12, 1980

I hereby certify that the information 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
April 16, 1980

Registered Professional Engineer
and/or Land Surveyor

James P. Leese
James P. Leese

Certificate No.
1463

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ well ☐ other ☐
2. NAME OF OPERATOR
Beartooth Oil & Gas Company
3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings, Montana 59103
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1780' FSL, 1665' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
15. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ ☐

FRACTURE TREAT ☐ ☐

SHOOT OR ACIDIZE ☐ ☐

REPAIR WELL ☐ ☐

PULL OR ALTER CASING ☐ ☐

MULTIPLE COMPLETE ☐ ☐

CHANGE ZONES ☐ ☐

ABANDON* ☐ ☐

(other) Change Plans ☒

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Total depth changed from 8150' to 8360' Dakota test.

Casing changed as follows:

Size Hole	Size Casing	Weight per Foot	Setting Depth	Cement
12-1/4"	8-5/8"	24#	300'	Cement to surface
7-7/8"	5-1/2"	15.5# & 17#	8360'	As follows:

*Three Stage Cement:

- 1st Stage - 250 sacks from 8360' to 6900' to cover Dakota-Gallup
- 2nd Stage - 220 sacks from 6300' to 5200' to cover Point Lookout
- 3rd Stage - 500 sacks from 4000' to 1800' to cover Pictured Cliffs & Ojo Alamo

Propose to mud drill Dakota test with above casing program.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Robert D. Ballantyne TITLE Drilling Supervisor DATE December 30, 1980

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

AS AMENDED

MAR 12 1981

JAMES F. SIMS

DISTRICT ENGINEER

TITLE _____ DATE _____

NMOCC
FARMINGTON CITY

*See Instructions on Reverse Side

APPROVED
AS AMENDED

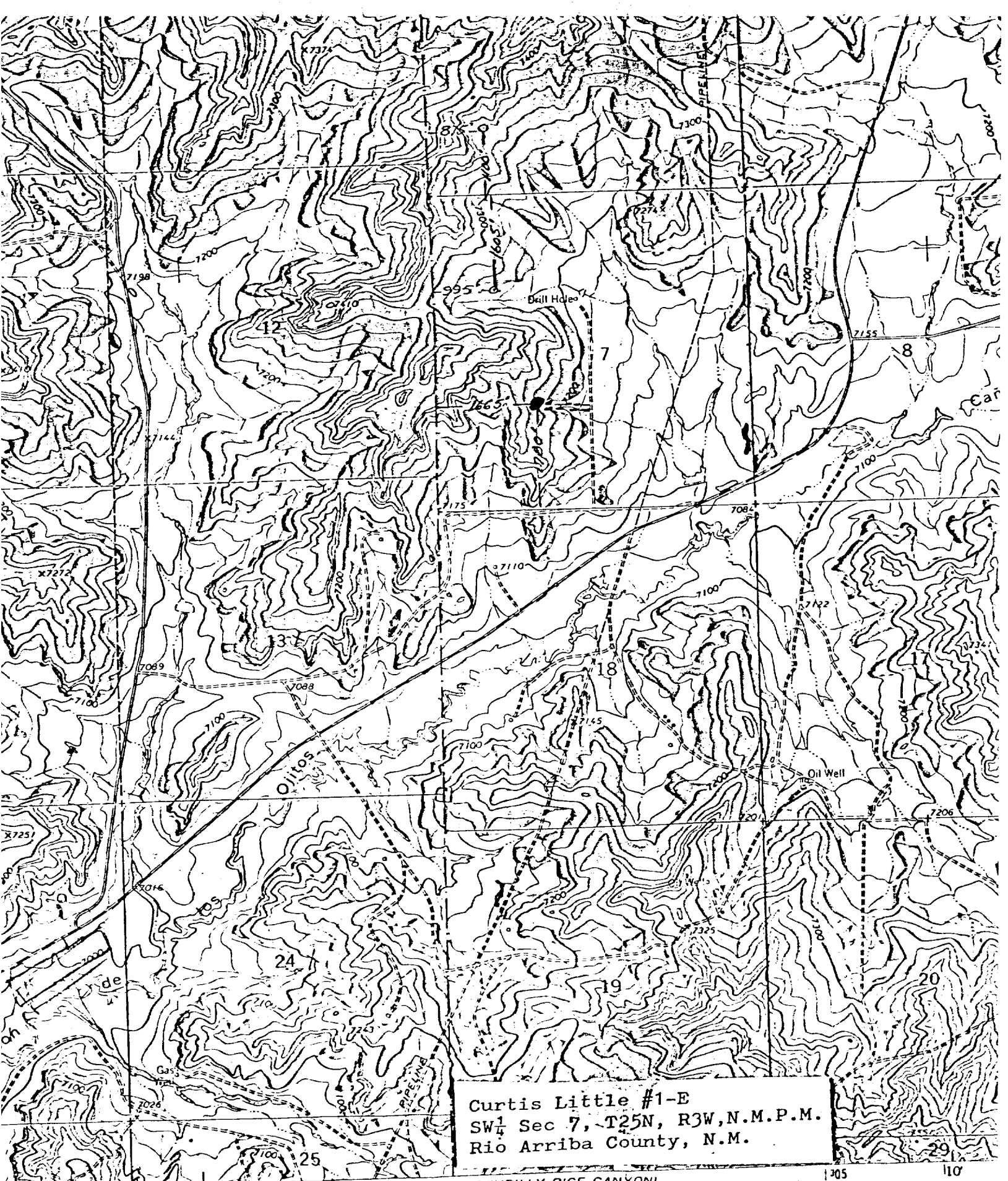
MAR 11 1981

JAMES F. SIMS
DISTRICT ENGINEER

5. LEASE
SF-080566-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Minel-Federal
9. WELL NO.
#1-E
10. FIELD OR WILDCAT NAME
Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 7-25N-3W (NE+SW)
12. COUNTY OR PARISH: 13. STATE
Rio Arriba New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
7212'-GL

(NOTE: Report results of multiple completion change on Form 9-330.)

RECEIVED
MAR 13 1981
OIL CON. COM.
DIST. 3



Curtis Little #1-E
SW $\frac{1}{4}$ Sec 7, T25N, R3W, N.M.P.M.
Rio Arriba County, N.M.

R. 4 W. R. 3 W. BILLY RICE CANYON
4556 1 SW

SCALE 1:24 000

