

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

3. ADDRESS OF OPERATOR

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

At surface

At proposed prod. zone

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

15. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

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

19. PROPOSED DEPTH

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

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
NO Change in casing is anticipated.				

IT IS Proposed to plug off the Gallup and Re-complete in the undesignated Pictured Cliffs formation as follows: This well has been shut-in since compl. date 5-27-74. Below Sales Line.

1. Kill the well with Treated Fresh Water and Pull T₉.
2. Set Cement Retainer at $\pm 6830'$. Establish Pump, IN rate w/TFW.
3. Squeeze the Gallup Pkts w/ 125 SX of Class G Cement with additives, Spot 5 SX of cement on top of retainer.
4. Perforate the Pictured Cliffs at 3928, 30, 32, 34, 36, 38, 40, 42, 44, 46, 3866, 69, 71, 74, 76' w/ 15SPF.
5. Break down Pkts w/ 1950 Gals of 7 1/2% Acid and Frac with 2372 Bbls Foam, 682 Bbls Wtr, 1,817,600 SCF Nitrogen, 107,500 # 20-40 Sand.
6. Tie the well to a Production Sales Line.

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

Wm. A. Butterfield

TITLE

Admin. Supv.

DATE

3-15-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

USGS-Durango(6), MJL, BEA, F, 16(2).

5. LEASE DESIGNATION AND SERIAL NO.

NM-18323

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Conoco 29-4

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Undesignated Pictured Cliffs

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 74, T. 29N, R. 4W

12. COUNTY OR PARISH

13. STATE

Rio Arriba

N.M.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

AS SOON AS POSSIBLE

RECEIVED

MAR 17 1978

U.S. GEOLOGICAL SURVEY
DURANGO, COLO.

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 CONTINENTAL OIL COMPANY		Lease CONOCO 29-4		Well No. 4	
Unit Letter N	Section 24	Township 27N	Range 4W	County RIO ARriba	
Actual Footage Location of Well: 1100 feet from the SOUTH line and 1485 feet from the WEST line					
Ground Level Elev. 7620'	Producing Formation PICTURED CLIFFS	Pool EAST SAN JUAN	Dedicated Acreage: 160 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.

Ben H. Lee
Name

Position
Adm. Super.

Company
Continental Oil Co.

Date
4-25-78

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

Registered Professional Engineer and/or Land Surveyor

Certificate No.

