

**UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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SUBMIT IN LIGATE
OCT 14 1983
Other instructions on reverse side
O. C. D.
ARTESIA OFFICE

30-015-24640
Form approved.
Budget Bureau No. 42-R1425.

5. LEASE DESIGNATION AND SERIAL NO.

45F
NM-22073

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Watts-Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat - *Burk Spring*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 31 T23S R28E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

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

Citation Oil & Gas Corporation ✓ 1-713-448-7777

3. ADDRESS OF OPERATOR

16800 Greenspoint Park Drive, South Atrium, Suite 300, Houston, TX

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) 77060
At surface

910' FNL & 800' FEL (NE NE)

At proposed prod. zone

Same

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

Location is 2.5 miles southwest of Loving, New Mexico

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

190'

18. NO. OF ACRES IN LEASE

200

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

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19. PROPOSED DEPTH

8000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3150' GR

22. APPROX. DATE WORK WILL START*

October 26, 1983

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" New	48#H-40 ST&C	450'	6 CIRCULATEs "C" + 2% CaCl ₂
12-1/4"	9-5/8" New	40# K-55 ST&C	2450'	6 CIRCULATEiburton Light+additives
8-1/2"	5-1/2" New	17# N-80 LT&C	8000'	470 sx 50/50 pozmix + additives

1. Drill 17-1/2" hole and set 13-3/8" surface casing to 450' with good returns.
2. Drill 12-1/4" hole and set 9-5/8" intermediate casing to 2450' with good returns.
3. Log B.O.P. checks in daily drill reports and drill 8-1/2" hole to 8000'.
4. Run tests if warranted and run 5-1/2" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "C" The Blowout Preventer Diagram
- "D" The Multi-Point Requirements for A.P.D.
- "E" & "E₁" Access Road Maps to Location
- "F" Radius Map of Field
- "G" & "G₁" Drill Pad Layout, Production Facilities & Cut-Fill Cross Sections
- "H" Drill Rig Layout

RECEIVED

SEP 30 1983

OIL & GAS

ROSWELL, NEW MEXICO

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 Carole Jairo TITLE Production Assistant DATE 9-29-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY C. B. Lopez TITLE _____ DATE 10/12/83

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

Post ID-1
10-21-83
New loc + BK