

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Artesia, NM 88210

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
ZONES ☐

2. NAME OF OPERATOR

Columbia Energy, Inc. ✓

3. ADDRESS OF OPERATOR

P.O. Box 1202 Artesia, NM 88210

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

505' FSL and 930' FEL, Section 12
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFF. ✓

16 miles south-southeast of Malaja, NM

15. DISTANCE FROM PROPOSED*

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

360'

16. 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.

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

rotary

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

3033.4' GL

22. APPROX. DATE WORK WILL START*

ASAP (prior to Feb. 1, 1986)

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"	48	700	circulate to surface
11" or 12 1/4"	8 5/8"	24 & 32	3300	150 sks.
7 7/8"	5 1/2"	15.5	6500	tieback to 8 5/8"

Actual setting depth of 13 3/8" surface casing to be determined from drilling time and samples as the top of Rustler anhydrite. 8 5/8" intermediate casing setting depth to be determined as top of Delaware lime +25'.

Producing zones will be perforated and stimulated as necessary.

Mud Program: FW Gel/LCM to 700'
Brine water from 700'-3300'
Cut brine or fresh water from 3300'-6500'

BOP Program: 3000# UP Double Ram type preventer will be in use while drilling below 8 5/8" intermediate casing. See exhibit B

Posted ID-1
API-NL
1-24-86

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 Vice-President

TITLE V-P

DATE 1/3/86

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE 1-15-86

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side