

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

C/SF

Artesia, NM 88210

30-015-23385

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

NM 0486

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

RECEIVED

7. UNIT AGREEMENT NAME

Big Eddy Unit

8. FARM OR LEASE NAME

Big Eddy Unit

9. WELL NO.

79Y

10. FIELD AND POOL, OR WILDCAT

Atoka

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

Sec. 21, T21S, R28E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

Upon Approval

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

Perry R. Bass /

3. ADDRESS OF OPERATOR

P. O. Box 2760 Midland, Texas 79702

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

At surface 1980' FSL & 1930' FEL of Section--Unit Letter J.

At proposed prod. zone

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

7 miles east of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED*

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

1980'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

Rotary

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

3220.6' GL 3238.6 KB

23. PROPOSED CASING AND CEMENTING PROGRAM*

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

OIL & GAS
 U.S. GEOLOGICAL SURVEY
 ROSWELL, NEW MEXICO

Kill well with water. ND tree. NU dual hydraulic BOPE with blind rams on bottom and 2-3/8" pipe rams on top. Set Baker "FWP" blanking plug and set in the Baker "F" profile nipple with 1.87" bore at $\pm 11,627'$. Test plug to 2000 psi. If okay, pour 1 pint of mercury into hole. Release BOT J-latch with seal assembly and moleshoe guide from the BOT "DB" permanent packer at $\pm 11,610'$. PU the following assembly from the top down:

- Otis "XN" profile nipple with 1.791 No-Go I. D.
- Otis MH-2 retrievable packer.
- 30' x 2-3/8" 4.7#/ft, N-80 joint of tubing.
- Halliburton retrievable bridge plug running tool.
- Halliburton Model BVN retrievable bridge plug.

GIH with tubing and the above assembly hydrotesting tubing in hole to 9000 psi. Set the retrievable bridge plug at $\pm 11,300'$. Come up 30' and set the packer. Test bridge plug to 2000 psi. If okay, drop 2 ft³ of sand down tubing on top of bridge plug (15' of sand). Release packer. PU tubing to 11,250'. Spot 15% MSR-100 acid containing (over)

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

P.C. Houtchens

TITLE

Production Clerk

DATE

MARCH 25, 1982

(This space for Federal or State office use)

PERMIT NO.

(Orig. Sgd.) PETER W. CHESTER

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

MAR 31 1982

TITLE

DATE

FOR

JAMES A. GILHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE : 1963—O-711-396

15 gals/1000 gals A-200 inhibitor from 11,240' - 11,170' (70 gals). Come up hole $\pm 40'$ to packer setting depth at $\pm 11,100'$. Prior to setting packer, circulate hole with 2% KCL water containing 1 gal/1000 gals Dowell Corban 326, 1 lb/1000 gals M-129 and 1 gal/1000 gals bactericide 400 as packer fluid. Set packer at $\pm 11,100'$. Pressure up on tubing to 2000 psi observing casing pressure for communication. Install tree and 6000 psi lubricator. Correlate GR-CCL of 9/5/80 to Schlumberger GR-CNL-FDC log dated 8/13/80. RIH with an Omega 1-9/16" through tubing, select fire gun, decentralized using SSB-II premium charges and perforate the Atoka from the top down at: 11,182', 11,183', 11,184', 11,185', 11,186', 11,230', 11,231', 11,232', 11,233', 11,234' (1 shot per interval, 10 shots total).

Flow back well, swabbing if necessary. Run 4-point test and SI to obtain a 72-hour bottom hole pressure buildup.