N. M. O. C. C. COPY

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.: NM 01189-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: Big Eddy

2. NAME OF OPERATOR: Perry R. Bass

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: Box 1178, Monahans, Texas 79756

9. WELL NO.: 7

4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660' FSL & 1980' FEL.

10. FIELD AND POOL, OR WILDCAT: Unnamed Morrow gas

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 19, T20S, R31E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3529' GL

12. COUNTY OR PARISH: Eddy

13. STATE: N. Mex.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Recomplete from oil to gas			☒
(Other)	☐			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, 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.) *

See attached sheets.

RECEIVED
MAY 10 1971
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED [signature] TITLE Division Engineer DATE May 7, 1971

(This space for Federal or State office use)

APPROVED BY: TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

Submit Completion Report (Form 9-330) and Acreage Dedication Plat (Form C-102) for gas well.

*See Instructions on Reverse Side

4-11-71 Rig up D A & S Unit. Total Depth 14,208'.

4-12-71 Killed well, installed BOP, Pulled packer, Fished plug in production packer.

4-13-71 Pulled tubing, Ran RTTS packer on tubing and set at 11,290', Loaded annulus with fresh water, cemented with 200 sks API Class H cement with ½% CFR-2, Displaced cement with 54 bbls water, Released packer and pumped 5 bbls water via annulus, Reset packer @ 11,290' and pressured annulus to 1000 psi, tubing on slight vacuum. WOC.

4-14-71 Pumped into tubing at 2000 psi and at rate of 4 bbls/min., cemented with 200 sks API Class H cement with ½% CFR-2, Displaced with 21 bbls fresh water, Pressured to 3800 psi, tubing split and communicated to annulus - Released packer at 11,290' dumping approximately 23 sks cement in casing, Pulled out of hole, 210th joint tubing split, Loaded annulus with 38 bbls fresh water and tested to 2000 psi without loss, Went in hole with 4 5/8" bit and six 3 1/8" DC, Found cement stringers at 9,830', Washed from 9,830' to 10,015'.

4-15/16/17-71 Drilled cement and cement stringers from 10,015' to 11,385', Tested perforations 11,348'-70' to 1500 psi for 15 min. without loss.

4-18/19-71 Drilled production packer and pushed remnants to 11,410'.

4-20/21-71 Ran magnetic basket to fish bit cones.

4-22-71 Drilled junk to 11,425', Tested perforations 11,402-20' to 1500 psi for 15 min, Bled to 300 psi. Drilled solid cement from 11,425' to 11,482', Pressured all perforations (11,348-70', 11,402-20 and 11,450-68') to 1500 psi for 15 min. Bled to 400 psi, Lost 20 bbls fluid.

4-23-71 Ran packer, set at 11,295'. Loaded casing with 28 bbls water, tested tubing to 4500 psi and casing to 1500 psi without loss. Cemented with 150 sks API Class H cement with ½% CFR-2, Pumped 35 bbls cement then closed unloader sub and pressured casing to 1500 psi. Squeezed above perforations to 5000 psi without staging, Pumped 74 sks below packer, reversed out 76 sks.

4-24-71 Ran bit on tubing and found top of cement at 11,290'. Drilled out to 11,455', no cement below 11,455'. Tested all perforations to 1500 psi without loss.

4-25/26-71 Reversed out heavy mud and drilled up CIPB at 12,515'.

4-27-71 Set packer at 12,950', treated perforations 12,656-68', 12,862-70' & 12,940-48' with 1000 gals 15% mud acid. Opened well, did not flow back. Pulled swab 4 times and well kicked off, cleaned to pit and turned to battery. Closed in with SITP 3650 psi.

4-28-71 Flowing well on 14/64" choke. FTP 1000 psi and gas rate 1,466 MCF/day.

4-29-71 Closed in at 9:30 AM for BHP buildup. Total Depth 14,208' - PBTD 13,150'.

4-30-71 Closed in.

5-1/2-71 Closed in.

5-3-71 Closed in. SIBHP 5311 psi at 12,800' (-9,271'), SITP 3876 psi by BHP guage and 3886 psi by DWT.

5-4-71 Taking four point test.

5-5-71 Test completed at 1:30 AM.

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

NM 01189-A

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 See "PROCEDURE" SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR: Perry R. Bass

3. ADDRESS OF OPERATOR: Box 1178, Monahans, Texas 79756

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660' FSL & 1980' FEL.
At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.: Federal - ~~NM 06818~~

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Big Eddy

8. FARM OR LEASE NAME:

9. WELL NO.: 7

10. FIELD AND POOL, OR WILDCAT: Big Eddy Strawn

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 19, T-20-S, R-31-E

12. COUNTY OR PARISH: Eddy

13. STATE: N. Mex.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 25 mi East of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 660

16. NO. OF ACRES IN LEASE: 640

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:

20. ROTARY OR CABLE TOOLS: Well service unit.

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3529' GL

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 additional casing to be run.				

Well shut in 6-3-70.

PROCEDURE:

1. Rig up well service unit; kill well with 9.6 PPG brine, if necessary; remove tree and install BOP's.

2. Unseat production packer at 11301'. Pull tubing.

3. Rerun tubing with overshot and pull DR plug. Note: well could be pressured up below plug. Pull tubing and DR plug.

See reverse side for continuation of procedure

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 Jack D. Lemon TITLE Division Engineer DATE April 2, 1971

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS VALID FOR 3 MONTHS. OPERATIONS ARE NOT COMMENCED WITHIN THIS TIME IT EXPIRES JUL 6 - 1971

*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-711-398

CONTINUED PROCEDURE:

4. Rerun tubing with Halliburton RTTS packer. Cement-squeeze Strawn perforations 11348-70, 11402-20' and 11450-68' with 200 sx. API Class H containing 1/2% CFR-2 at a slurry weight of 16.4 PPG. Use a maximum squeeze pressure of 4000 psi.

5. Pull tubing and RTTS packer; WOC a minimum of 24 hours.

6. Drill cement and Baker Model "D" packer, set at 11385'. Clean out to below bottom squeezed perforation (11468') and check squeeze to 1500 psi.

7. Drill cement and CIBP at 12515'. Use weighted drilling fluid, (brine). (BHP calculated to be 4342# from 2-hour build-up).

8. Clean out to CIBP at 13150'.

9. Run tubing and packer with tail pipe. Land bottom of tubing about 12950'.

10. Treat with 1000 gallons mud acid. Circulate acid to spot over Morrow sand perforations 12656-68', 12862-70' and 12940-48'. Raise tubing and set packer with bottom of tubing about 12650'. Remove BOP's and installed tree. Displace acid into formation.

11. Swab well and test.