

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Artesia, NM 88210Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-15862

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Quail Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA

Sec. 3-6S-25E

12. COUNTY OR PARISH

Chaves

13. STATE
New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to backfill a dormant/recovery well. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Great Western Drilling Company /

3. ADDRESS OF OPERATOR

P. O. Box 1659, Midland, Texas 79702

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 of Section

14. PERMIT NO.

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

3932' G.L.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Completing

(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.)*

8-13-14/81: Rigged up pulling unit. Ran 3 7/8" bit, drilled DV-Tool, tested tool & 4 1/2" OD, 10.5" ft. csg. to 1500 psi for 30 min. - held. Ran bit & tbg. to 5144' & circ. hole with 2% KCL fresh water. Perforated 4 1/2" csg. 4939'-4954' with 1-SPF (15 holes).

8/15/81: Ran pkr. & set pkr. @ 4795' & tailpipe @ 4825', 115' above Perfs.. Acidized with 3,000 gals. 15% N.E., HCL acid with inhibitors & clay stabilizers & 30 7/8" NCR ball sealers. Formation broke @ 2500 psi. Treated @ max. press. 5000 psi, Avg. 3,000 psi & min. 2500 psi. Max. inj. rate 6 BPM, Avg. 5 BPM & min 2 BPM. ISIP 2000 psi, 15 min. 1800 psi & 60 min. 1800 psi. Opened well to reverse tank, flowed 20 bbls. load wtr. & died. Swabbed 53 Bbls. load & acid wtr. No oil or gas shows. Lack 21 Bbls. recovering load.

8/17/81: SITP Opsi. Swabbed & recovered 30 Bbls. wtr, very salty, have recovered 9 Bbls. over load.

8/18/81: SIPT 30 psi - no volume. Swabbed 18 Bbls. salt water., 27 bbls over load. No gas or oil shows. Released pkr. pulled out of hole, preparing to plug lower zone.

8/19/81: Ran Halliburton EZ drill cement retainer. Set Ret. @ 4913', 26' above top Perf. Squeeze Perfs 4939'-4954' with 25 sxs. Class "H" cement, pumping pressure 2,000 psi, pulled out of Ret. & left cement on top, pulled 1-jt. tbg. & reversed out 1/2 bbl. cement. Pulled tbg. Rigged up loggers, tagged top cement @ 4902' wireline meas. Perforated 3982-95 (13 holes) 3945-41 (6 holes) 3840-56 (16 holes) 3769-80 (11 holes) & 3675-92 (17 holes) total 63 holes

(Cont'd on back)

SIGNED AND ACCEPTED FOR RECORD
(This space for Federal or State Office use)

TITLE Ass't. Gen. Supt.

DATE 9-21-81

APPROVED BY
CONDITIONS OF APPLICATION, IF ANY:

TITLE

DATE

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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 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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1983-O-885229

947-485

8/21/81: Ran Pkr. & 1 jt. tailpipe to 3995'. Circ. hole with 2% KCL fresh wtr. Spotted 5 Bbl. acid over perfs. Pulled & set pkr. @ 3575'. Treated with 3000 gals 7½% MSK acid & inhibitors & 80,000 Cu. ft. Nitrogen & 112 7/8" NCR ball sealers. Formation broke @ 2900 psi. Treated at an average rate of 4.1 cu. ft. Nitrogen & 3.36 bbls. acid per min @ avg. press. of 4000 psi. ISIP 3000 psi, 45 min 1550 psi. Total load to recover 145 bbls. Opened choke wide open to clean well up.

8/22/81: FTP 40 psig on 32/64" chk., est. rate 280,000 cu ft. gas/day. Pulled pkr. lacked 36 jts being out of hole when well tried to unload. Shut down, left well flowing on 32/64" chk.

8/23/81: Killed well with 68 bbls. 2% KCL wtr. Finished pulling tbgs. & pkr. Reran tbgs. Making preparations to frac.

8/24/81: Fraced well with 4 stages consisting of 200,000 gals 75% Quality Foam plus 292,000 lbs. 20-40 mesh sand & 10,500 lbs. 100 mesh salt & 32,810 cu. ft. of Nitrogen plus 60-7/8" NCR ball sealers. Treated @ an average rate of 21 BPM down tubing & csg. & avg. press. 3,000 psi. ISIP 1,880 psi, 15 min 1680 psi. Load to recover 912 bbls. Operated well to clean up.

8/25/81: FTP 50 psi. Choke cut out. Est. flow rate 530 MCF/day. Shut well in.

8/26/81: SITP 900 psig.

8/28/81: SITP 1000 psi. Installed new choke. Flowed well 4 hrs. Est. rate @ end of flow period 2480 MCFPD. Shut well in.

8/29/81: SITP 1000 psi.

9/3/81: Preparing to take 4 point back pressure test.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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 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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1965-O-685228

847-485

8/21/81: Ran Pkr. & 1 jt. tailpipe to 3995'. Circ. hole with 2% KCL fresh wtr. Spotted 5 Bbl. acid over perfs. Pulled & set pkr. @ 3575'. Treated with 3000 gals 7½% MSK acid & inhibitors & 80,000 Cu. ft. Nitrogen & 112 7/8" NCR ball sealers. Formation broke @ 2900 psi. Treated at an average rate of 4.1 cu. ft. Nitrogen & 3.36 bbls. acid per min @ avg. press. of 40 psi. ISIP 3000 psi, 45 min 1550 psi. Total load to recover 145 bbls. Opened choke wide open to clean well up.

8/22/81: FTP 40 psig on 32/64" chk., est. rate 280,000 cu ft. gas/day. Pulled pkr. lacked 36 jts being out of hole when well tried to unload. Shut down, left well flowing on 32/64" chk.

8/23/81: Killed well with 68 bbls. 2% KCL wtr. Finished pulling tbg. & pkr. Reran tbg. Making preparations to frac.

8/24/81: Fraced well with 4 stages consisting of 200,000 gals 75% Quality Foam plus 292,000 lbs. 20-40 mesh sand & 10,500 lb 100 mesh salt & 32,810 cu. ft. of Nitrogen plus 60-7/8" NCR ball sealers. Treated @ an average rate of 21 BPM down tubing & csg. & avg. press. 3,000 psi. ISIP 1,880 psi, 15 min 1680 psi. Load to recover 912 bbls. Operated well to clean up.

8/25/81: FTP 50 psi. Choke cut out. Est. flow rate 530 MCF/day. Shut well in.

8/26/81: SITP 900 psig.

8/28/81: SITP 1000 psi. Installed new choke. Flowed well 4 hrs. Est. rate @ end of flow period 2480 MCFPD. Shut well in.

8/29/81: SITP 1000 psi.

9/3/81: Preparing to take 4 point back pressure test.