

Form 9-331
Dec. 1973

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O. C. D.

GEOLOGICAL SURVEY

ARTESIA, OFFICE

NM OIL CONS. COMMISSION

Drawer DD

Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR

Form Approved.
Budget Bureau No. 42-R1424

45F

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 Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐

2. NAME OF OPERATOR

Great Western Drilling Company

3. ADDRESS OF OPERATOR

P.O. Box 1659, Midland, TX 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 660' FNL & 1,980' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Opened up additional zones in the 1st Bone Springs.

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.)*

Opened up additional zones in the 1st Bone Springs: 7,642'-7,682, 7,690-7702 & 6978'-6986'.

6/4/85: Rigged up pulling unit. Pulled subsurface installations. Installed BOP, ran & set 4½" retrievable wireline set bridge plug @ 7,760' in the 4½" csg. Perforated the 4½" csg as follows: 7,642'-7,682' (40 holes, 1 SPF) & 7,690'-7,702' (13 holes w/1 SPF). Perforated w/ 3-1/8" csg. gun w/12 gram charges, .36" dia. holes, 12.37" penetration.

6/5/85: Acidized w/1,000 gals 15% HCL and faced w/17,500 gals. 30/20 gel & 17,500 gals. cross-link gel containing 74,000# 20-40 mesh sand & 106-7/8" ball sealers. Treated @ avg. pressure 2,500 psi at an avg. rate 25 BPM.

(Cont. on back.)

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

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

SIGNED M. B. Myers TITLE Ass't. to Gen. Supt. DATE 10-4-85

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL Good

OCT 7 1985

*See Instructions on Reverse Side

CARISBAD, NEW MEXICO

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.

6/6/85: Flowed to frac tank 4½ hrs. & recovered 322 bbls. load, removed treating head, installed BOP, ran Baker Retrieval head on 2-3/8" tbg. Tagged sand 30' above plug @ 7,730'. Washed sand down to plug & retrieved plug, circ. out sand & f. balls. Shut down.

6/7/85: Ran subsurface installations: set tbg @ 8,599' w/S.N. @ 8,561' & tbg anc. @ 7,515' w/12,000# tension. Ran pump installation. Placed well back on production.

7/2-3/85: Rigged up pulling unit, pulled subsurface installations. Ran 3-1/8" csg gun w/12 gram charges, .36" dia. hole & 12.37" penetration. Perforated from 6,978'-6,986' w/1 SPF (8'-8 holes). Ran Elder 4½" bridge plug & pkr on 2-3/8" tbg to 7,074'. Tested plug to 1,500 psi for 15 min, held. Pulled 5 stands & set pkr @ 6,773'. Rigged up swab & made 2 runs recovering 55-60% oil. Shut down.

7/5/85: Swabbed.

7/6/85: Acidized w/1,000 gals. 15% NEFE acid containing 16 ball sealers. Formation broke @ 3,600 psi, treated @ 3,600-4,800 psi @ avg. 3 BPM rate. ISDP 2,000 psi, 15 min. 1,000 psi. Opened well and swabbed & flowed 60 bbls. load & acid water.

7/7/85: Flowed & tested.

7/8/85: Acidized w/8,000 gals. 20% cross-linked gelled NEFE acid w/154,000 SCF-N2, followed w/1,000 gals. 20% NEFE ungelled acid. ISDP 4,000 psi, 15 min. 3,150 psi. Avg. treating pressure 5,400 psi @ avg. rate 7.5 BPM. Opened well to flow back to

7/9 thru 7/13/85: Flowed & swabbed well, unset pkr & pulled out of hole. Ran tbg & pump installation as follows: ran & set tbg @ 7,039' w/S.N. @ 7,004' & tbg anc. @ 6,884' w/16,000# tension. Stripped off BOP & landed tubing. Ran pump & rods and placed well back on production to recover load & test.

7/14 thru 8/19/85: Testing zone 6,978'-6,986'.

8/20/85: Rigged up pulling unit. Pulled rods & pump. Released tbg. anc. and ran to & tagged bridge plug @ 7,069'. Pulled out of hole w/tbg.

(Cont. on next page)