



IL AND GAS CONSERVATION COMMISSION OF THE STATE OF COLORADO

File in triplicate for Patented and Federal lands.
File in quadruplicate for State lands.

JUN 23 1966

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Cardinal Petroleum Company

3. ADDRESS OF OPERATOR

Box 1077 - Billings, Montana

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

At surface 1980' from South Line and 1980' from West Line

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

66129

DATE ISSUED

Apr. 19, 1966

15. DATE SPURRED

4/23/66

16. DATE T.D. REACHED

4/27/66

17. DATE COMPL. (Ready to prod.)

May 21, 1966

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)

4364 KB

19. ELEV. CASINGHEAD

4356 G.L.

20. TOTAL DEPTH, MD & TVD

5220' KB

21. PLUG, BACK T.D., MD & TVD

5163 KB

22. IF MULTIPLE COMPL., HOW MANY

single

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

all

CABLE TOOLS

none

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

5078-5082 "D" Sand

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

Lane-Wells I-ES and Minilog

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 8-5/8" | 24# | 146 KB | 12-1/4" | 130 sx | none |
| 4-1/2" | 10.5# | 5199 KB | 7-7/8" | 150 sx | none |
| | | | | | |
| | | | | | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|--------------|-------------|-----------|----------------|-----------------|
| none | | | | | 2-3/8" EU | 5159 | none |
| | | | | | | | |
| | | | | | | | |

31. PERFORATION RECORD (Interval, size and number)

5078-5082; 4 jets per foot

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| | none |
| | |
| | |
| | |

33. PRODUCTION

| | | | | | | | |
|-----------------------|-----------------|---|-------------------------|----------|------------|---|---------------|
| DATE FIRST PRODUCTION | | PRODUCTION METHOD (<i>Flowing, gas lift, pumping—size and type of pump</i>) | | | | WELL STATUS (<i>Producing or shut-in</i>) | |
| May 22, 1966 | | Pumping | | | | Producing | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
| May 23, 1966 | 24 | 2" | → | 100 | - | 0 | unmeasured |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API | (CORR.) |
| - | - | → | 100 | - | 0 | 38 | |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Fuel and vented

TEST WITNESSED BY

Dave Pape

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

T. A. Voorhees

TITLE

Production Manager

DATE

June 21, 1966

See Spaces for Additional Data on Reverse Side

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|-----------|------|--------|---|
| "D" Sand | 5078 | 5082 | <p>Porous sandstone - oil productive</p> <p>DST #1 - 5077 to 5085 Open 5 min, SI 30 min, open 2 hr, SI 45 min. Gas to surface in 25 min.</p> <p>Fluid Recovery: 1580' slightly mud cut oil 220' oil & gas cut mud</p> <p>Pressures: HP 2669-2657 FP 158-428 SIP 1036-1036</p> |

38.

GEOLOGIC MARKERS

| NAME | TOP | |
|----------|-------------|------------------|
| | MEAS. DEPTH | TRUE VERT. DEPTH |
| "D" sand | 5077 | 5077 |
| pay | 5078 | 5082 |
| "J" sand | 5150 | 5150 |