

STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES

Submit 1 copy

| FOR OFFICE USE | | | |
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| | | | |

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. OPERATOR **Patina Oil and Gas Coporation** PHONE **(303) 389-3600**

5. TYPE OF WELL
 OIL GAS DRY
 INJECTION OTHER COALBED METHANE

ADDRESS **1625 Broadway, Suite 2000 Denver, CO 80202**

6. TYPE OF COMPLETION
 NEW WELL COMMINGLED
 RECOMPLETION Date Started: MULT. COMPLETION

2. DRILLING CONTRACTOR **Allison Bros. Drilling** PHONE

7. FEDERAL/INDIAN OR STATE LEASE NO.

3. LOCATION OF WELL (Footages from section lines)
 At surface **1916' FNL & 751' FEL**

4. ELEVATIONS
4732' KB

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

At top prod. interval reported below
@ Niobrara (6981') 2024' FNL & 687' FEL

9. WELL NAME AND NUMBER
Carlson 23-8F

At total depth @Codell (7201') 2063' FNL & 662' FEL
2091' FNL & 646' FEL

10. FIELD OR WILDCAT
Wattenberg

11. QTR. QTR. SEC. T. R. AND MERIDIAN
SE NE Sec. 23 T4N R66W

12. PERMIT NO. **92-1384** 13. API NO. **05-123-16328-1** 14. SPUD DATE **10/30/92** 15. DATE TD REACHED **11/9/92** 16. DATE COMPL. D&A READY TO PRODUCE 17. COUNTY **Weld** 18. STATE **CO**

19. TOTAL DEPTH **7360'** MD **7340'** TVD 20. PLUG BACK TOTAL DEPTH **7302'** MD **7282'** TVD 21. DEPTH BRIDGE PLUG SET MD **None** TVD

22. TYPE ELECTRIC & OTHER MECHANICAL LOGS RUN (SUBMIT COPY OF EACH)
DIFL/GR, CDL/GR, CBL

23. WAS WELL CORED? NO YES (Submit Analysis)
 WAS DST RUN? NO YES (Submit Analysis)

24. CASING & LINER RECORD (Report all strings set in well)

| SIZE | WEIGHT (LB/FT) | HOLE SIZE | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | NUMBER OF SACKS & TYPE OF CEMENT | SLURRY VOL. (BBL) | TOP OF CEMENT (Specify calc. or CBL) |
|--------|----------------|-----------|----------|-------------|----------------------|----------------------------------|-------------------|--------------------------------------|
| 8 5/8" | 24# | 12 1/4" | Surf. | 545' | ----- | 175 Sx Lite/100 Sx "A" | | Surf. |
| 4 1/2" | 11.6# | 7 7/8" | Surf. | 7347.53' | ----- | 430 Sx "G" | | 3698' |
| | | | | | | 170 Sx "G" | | 5960' |

25. TUBING RECORD - Please Specify # of Strings:

| SIZE | DEPTH SET(MD) | PACKER DEPTH (MD) | SIZE | DEPTH SET(MD) | PACKER DEPTH (MD) | SIZE | DEPTH SET(MD) | PACKER DEPTH (MD) |
|--------|---------------|-------------------|------|---------------|-------------------|------|---------------|-------------------|
| 2 3/8" | 7212' | | | | | | | |

26. PRODUCING INTERVALS 27. ATTACH WELLBORE DIAGRAM FOR MULTI-ZONE/COMINGLED PRODUCTION (RULE 322)

| FORMATION | TOP | BOTTOM | GROSS PERFORATED INTERVAL | SIZE | NO. HOLES | PERF STATUS (open, squeezed) |
|------------|-------|--------|---------------------------|------|-----------|------------------------------|
| A Codell | 7242' | 7260' | 7244'-7254' | .36" | 21 | |
| B Niobrara | 6936' | 7222' | 6938'-7128' | .28" | 30 | |
| C) | | | | | | |
| D) | | | | | | |

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|---|
| 7244'-7254' | 250,000# 20/40 Sand, 87,192 Gals wtr w/ claytreat, 40/35# Guar |
| 6938'-7128' | 163,000# 16/30 Sand, 10,000# 100 Sand, 1000 Gals 7.5 % HCL, 67,410 Gals wtr w/claytreat, 40# Guar |

29. PRODUCTION - INTERVAL A & B

| DATE FIRST PRODUCED | TEST DATE | HOURS TESTED | TEST PRODUCTION | OIL BBL | GAS MCF | WATER BBL | OIL GRAVITY CORR. API | GAS DISPOSITION | PRODUCTION METHOD |
|---------------------|----------------------|-----------------|-----------------|---------|---------|-----------|-----------------------|--|-------------------|
| 12/9/92 | 12/31/92 | 24 | --> | 25 | 415 | 5 | | Sold | Flowing |
| CHOKE SIZE | FLOW TUBING PRESSURE | CASING PRESSURE | 24 HR. RATE | OIL BBL | GAS MCF | WATER BBL | GAS-OIL RATIO | ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.) | |
| 40/64" | 220 | 440 | --> | 25 | 415 | 5 | 16600 | Producing | |

PRODUCTION - INTERVAL B

| DATE FIRST PRODUCED | TEST DATE | HOURS TESTED | TEST PRODUCTION | OIL BBL | GAS MCF | WATER BBL | OIL GRAVITY CORR. API | GAS DISPOSITION | PRODUCTION METHOD |
|---------------------|----------------------|-----------------|-----------------|---------|---------|-----------|-----------------------|--|-------------------|
| | | | --> | | | | | | |
| CHOKE SIZE | FLOW TUBING PRESSURE | CASING PRESSURE | 24 HR. RATE | OIL BBL | GAS MCF | WATER BBL | GAS-OIL RATIO | ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.) | |
| | | | --> | | | | | | |

PRODUCTION - INTERVAL C

| | | | | | | | | | |
|---------------------|-----------------------|-----------------|------------------------|---------|---------|-----------|-----------------------|--|-------------------|
| DATE FIRST PRODUCED | TEST DATE | HOURS TESTED | TEST PRODUCTION --> | OIL BBL | GAS MCF | WATER BBL | OIL GRAVITY CORR. API | GAS DISPOSITION | PRODUCTION METHOD |
| CHOKE SIZE | FLOW. TUBING PRESSURE | CASING PRESSURE | 24 HR. RATE --> | OIL BBL | GAS MCF | WATER BBL | GAS:OIL RATIO | ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.) | |

PRODUCTION - INTERVAL D

| | | | | | | | | | |
|---------------------|-----------------------|-----------------|------------------------|---------|---------|-----------|-----------------------|--|-------------------|
| DATE FIRST PRODUCED | TEST DATE | HOURS TESTED | TEST PRODUCTION --> | OIL BBL | GAS MCF | WATER BBL | OIL GRAVITY CORR. API | GAS DISPOSITION | PRODUCTION METHOD |
| CHOKE SIZE | FLOW. TUBING PRESSURE | CASING PRESSURE | 24 HR. RATE --> | OIL BBL | GAS MCF | WATER BBL | GAS:OIL RATIO | ZONE STATUS: (PRODUCING, SHUT-IN, PLUGGED, ETC.) | |

30. PLEASE ATTACH AN 8.5" X 11" BASIC SKETCH SHOWING ALL SURFACE EQUIPMENT ASSOCIATED WITH PRODUCTION, FLUID SEPARATION, FLUID STORAGE, AND GAS MEASUREMENT FOR THE WELL. SHOW APPROXIMATE DISTANCES OF EQUIPMENT FROM WELLBORE. INCLUDE WATER DISPOSAL PITS IF APPLICABLE. OUTLINE UNDERGROUND FLOWLINES AND LIST ANY OTHER WELLS SHARING THE SURFACE EQUIPMENT.

31. SUMMARY OF POROUS ZONES (INCLUDE AQUIFERS):

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

32. FORMATION (LOG) MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTIONS, CONTENTS, ETC. | NAME | TOP |
|-----------|-----|--------|------------------------------|----------|-----------|
| | | | | | MEAS.DEPH |
| | | | | Parkman | 3662' |
| | | | | Sussex | 4319' |
| | | | | Niobrara | 6936' |
| | | | | Ft. Hays | 7222' |
| | | | | Codell | 7242' |
| | | | | TD | 7352' |

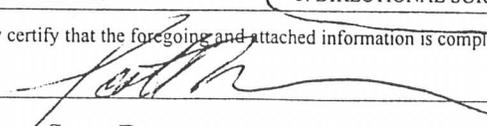
33. ADDITIONAL REMARKS (INCLUDE PLUGGING PROCEDURE & ATTACH CEMENT VERIFICATION):

Wellbore is vertical from surface to kick off point @ 6200'.

34. CIRCLE ENCLOSED ATTACHMENTS:

- | | | |
|---------------------------------|------------------------------|---|
| 1. MECHANICAL LOGS (1 full set) | 3. WELLBORE SKETCH (See #27) | 6. SUNDRY NOTICE FOR PLUGGING & CEMENT VERIFICATION |
| 2. GEOLOGIC REPORT | 4. DST REPORT | 7. CORE ANALYSIS |
| | 5. DIRECTIONAL SURVEY | 8. OTHER: |

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

SIGNED: 

PRINT NAME: Scott Reasoner

TITLE: Operations Engineer

DATE: 12/31/96