



OF COLORADO
 CONSERVATION COMMISSION
 OF NATURAL RESOURCES

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. OPERATOR
 SNYDER OIL CORPORATION
 ADDRESS
 1625 Broadway, Suite 2200

PHONE
 (303) 592-8500

2. DRILLING CONTRACTOR
 CAZA DRILLING
 PHONE
 303-292-1206

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

6. TYPE OF COMPLETION
 NEW WELL RECOMPLETION (Date Started _____)
 COMMINGLED MULT. COMPLETION

7. FEDERAL/INDIAN OR STATE LEASE NO.

3. LOCATION OF WELL (Footages from section lines)
 At surface
 1980' FSL & 1930' FEL
 At top prod. interval reported below
 SAME
 At total depth
 SAME

4. ELEVATIONS
 KB 4822'
 GR 4813'

WAS DIRECTIONAL SURVEY RUN? NO YES ATTACH COPY

RECEIVED

OCT 25 1991

COLO. OIL & GAS CONS. COMM

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

9. WELL NAME AND NUMBER
 GURTLE 24-10J

10. FIELD OR WILDCAT
 WATTENBERG CODELL/NIOBRARA

11. QTR. QTR. SEC. T. R. AND MERIDIAN
 NWSE SEC 24 T3N R65W

12. PERMIT NO. 91-693
 13. API NO. 05 123 15152
 14. SPUD DATE 08/29/91
 15. DATE TD REACHED 09/01/91
 16. DATE COMPL. 09/20/91
 D&A READY TO PRODUCE

17. COUNTY WELD
 18. STATE CO.

19. TOTAL DEPTH MD 7197' TVD
 20. PLUG BACK TOTAL DEPTH MD 7153' TVD
 21. DEPTH BRIDGE PLUG SET MD TVD

22. TYPE ELECTRIC & OTHER MECHANICAL LOGS RUN (SUBMIT COPY OF EACH)
 DIL/SFL-GR, FDC, CBL

23. WAS WELL CORED? YES (Submit Analysis)
 WAS DST RUN? 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" | 23# | 12 1/4" | 0' | 652' | | 440 SX REGULAR "G" | | SURFACE |
| 4 1/2" | 11.6# | 7 7/8" | 0' | 7194.94' | SUSSEX | NOT REQUIRED | | CBL |
| | | | | | CDL/NIOB | 200 SX PREMIUM | | 6235' CBL |

25. TUBING RECORD - Please Specify ONE

| SIZE | DEPTH SET (MD) | PACKER DEPTH (MD) | SIZE | DEPTH SET (MD) | PACKER DEPTH (MD) | SIZE | DEPTH SET (MD) | PACKER DEPTH (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2 3/8" | 7064.26' | | | | | | | |

26. PRODUCING INTERVALS

| FORMATION | TOP | BOTTOM | GROSS PERFORATED INTERVAL | SIZE | NO. HOLES | PERF STATUS (open, squeezed) |
|-------------|-------|--------|---------------------------|------|-----------|------------------------------|
| A) CODELL | 7069' | 7085' | 7071'-7084' | .38" | 40 | OPEN |
| B) NIOBRARA | 6756' | 7046' | 6786'-6941' | .22" | 26 | OPEN |
| C) | | | | | | |
| D) | | | | | | |

27. ATTACH WELLBORE DIAGRAM FOR MULTI-ZONE/COMMINGLED PRODUCTION (RULE 322)

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

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|--|
| 7071'-7084' | ACIDIZE W/ 500 GAL 7.5% HCl, THEN FRAC W/ 85,700 GAL 2% KCl WTR WITH 40# GUAR WITH 10,000 # 100 MESH SAND AND 250,500 # 20/40 MESH SAND |
| 6786'-6941' | ACIDIZE W/ 1000 GAL 7.5% HCl, FRAC W/ 72,702 GAL 2% KCl WTR WITH 40# GUAR WITH 10,000 # 100 MESH SAND AND 162,000 # 20/40 MESH SAND |

29. PRODUCTION - INTERVAL A

| 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 B & A COMMINGLED *****

| DATE FIRST PRODUCED | TEST DATE | HOURS TESTED | TEST PRODUCTION | OIL BBL | GAS MCF | WATER BBL | OIL GRAVITY CORR. API | GAS DISPOSITION | PRODUCTION METHOD |
|---------------------|-----------------------|-----------------|-----------------|---------|---------|-----------|-----------------------|--|-------------------|
| 09/24/91 | NO TST | 10.5 | --> | 23 | 174 | 2 | | 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" | 400 | 1300 | --> | 53 | 398 | 5 | 7565 | PRODUCING | |

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. SKETCH WILL BE SUBMITTED WHEN SURFACE FACILITIES ARE SURVEYED.

31. SUMMARY OF POROUS ZONES (INCLUDE AQUIFERS):

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS AND ALL DRILL/STEM 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. DE |
| PARKMAN | 3838' | | SILTSTONE | PARKMAN | 3838' |
| SUSSEX | 4223' | | SANDSTONE | SUSSEX | 4223' |
| NIOBRARA | 6756' | 7046' | SHALE/MARLSTONE | NIOBRARA | 6756' |
| FT. HAYS | 7046' | 7069' | LIMESTONE | FT. HAYS | 7046' |
| CODELL | 7069' | 7085' | SANDSTONE | CODELL | 7069' |
| | | | | TD | 7197' |

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

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: *Dawn H. Darling*

PRINT NAME: Dawn H. Darling TITLE: Petroleum Engineer DATE: 10/22/91