

OGCC FORM 5
R(8/89)STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES

Submit 1 copy

CONFIDENTIAL



| FOR OFFICE USE | | | |
|----------------|----|----|----|
| ET | FE | LC | SE |

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| | | | |
|--|-----------------------------|---|---------------------------------|
| 1. OPERATOR Union Pacific Resources Company | | PHONE 817-877-7956 | |
| ADDRESS P. O. Box 7 - MS 3407, Fort Worth, Texas 76101-0007 | | | |
| 2. DRILLING CONTRACTOR Murfin Drilling | | PHONE 316-267-3241 | |
| 3. LOCATION OF WELL (Footages from section lines) At surface 1200' FNL & 1500' FWL At top prod. interval reported below At total depth Drilled as a straight hole | | 4. ELEVATIONS KB _____ GR 4262' | |
| 5. TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> METHANE <input checked="" type="checkbox"/> DRY <input type="checkbox"/> INJECTION <input type="checkbox"/> OTHER _____ | | 6. TYPE OF COMPLETION <input type="checkbox"/> COMMINGLED <input type="checkbox"/> NEW WELL <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> RECOMPLETION (DATE STARTED _____) | |
| 7. FEDERAL/INDIAN OR STATE LEASE NO. Land Grant | | | |
| 8. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A | | | |
| 9. WELL NAME AND NUMBER Mockelmann 21D-19 #1 | | | |
| 10. FIELD OR WILDCAT Wildcat - Morrow | | | |
| 11. QTR. QTR. SEC. T. R. AND MERIDIAN NE NW 19-15S-46W | | | |
| 12. PERMIT NO. 90-566 | 13. API NO. 05 -017-7170 | 14. SPUD DATE 06-29-90 | 15. DATE TD REACHED 07-06-90 |
| 16. DATE COMPLETION <input checked="" type="checkbox"/> D&A <input type="checkbox"/> READY TO PROD | | 17. COUNTY Cheyenne | |
| 18. STATE CO. | | | |
| 19. TOTAL DEPTH MD 5510 TVD | | 20. PLUG BACK TOTAL DEPTH MD surface TVD | |
| 21. DEPTH BRIDGE PLUG SET MD TVD | | | |
| 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) | | 23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit Analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit Report) | |

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

| SIZE | WEIGHT(LB/FT) | HOLE SIZE | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | NO. OF SKS. & TYPE OF CEMENT | SLURRY VOL. (BBL.) | TOP OF CEMENT (Specify calc. or CBL) |
|--------|---------------|-----------|----------|-------------|----------------------|------------------------------|--------------------|--------------------------------------|
| 8-5/8" | 24# | 12-1/4" | surface | 435' | | 165 sx 65:35 | 54.07 | surface (obs'd) |
| | | | | | | 75 sx Standard | 15.76 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

25. TUBING RECORD - Please Specify # of Strings n/a

| SIZE | DEPTH SET (MD) | PACKER DEPTH (MD) | SIZE | DEPTH SET (MD) | PACKER DEPTH (MD) | SIZE | DEPTH SET (MD) | PACKER DEPTH (MD) |
|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| | | | | | | | | |
| | | | | | | | | |

26. PRODUCING INTERVALS

27. ATTACH WELLBORE DIAGRAM FOR MULTI-ZONE, COMMINGLED PRODUCTION (RULE 332)

| FORMATION | TOP | BOTTOM | GROSS PERFORATED INTERVAL | SIZE | NO. HOLES | PERF. STATUS (open, squeezed) |
|-----------|-----|--------|---------------------------|------|-----------|-------------------------------|
| A) n/a | | | Did not Perforate | | | |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|-----------------------------|
| | |
| | |
| | |

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. TBG. PRESS. | CSG. PRESS. | 24 HR. RATE | OIL BBL | GAS MCF | WATER BBL | GAS: OIL RATIO | ZONE STATUS | |
| | | | → | | | | | drilled and abandoned | |

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. TBG. PRESS. | CSG. PRESS. | 24 HR. RATE | OIL BBL | GAS MCF | WATER BBL | GAS: OIL RATIO | ZONE STATUS | |
| | | | → | | | | | | |

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. TBG. PRESS. | CSG. PRESS. | 24 HR. RATE → | OIL BBL | GAS MCF | WATER BBL | GAS: OIL RATIO | ZONE STATUS | |

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. TBG. PRESS. | CSG. PRESS. | 24 HR. RATE → | OIL BBL | GAS MCF | WATER BBL | GAS: OIL RATIO | ZONE STATUS | |

30. PLEASE ATTACH AN 8 1/2" 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 DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES AND RECOVERIES.

| FORMATION | TOP | BOTTOM | DESCRIPTIONS, CONTENTS, ETC. |
|-----------|-----|--------|------------------------------|
| | | | No DST's or Cores |

32. FORMATION (LOG) MARKERS

| NAME | TOP MEAS. DEPTH |
|-------------------------|-----------------|
| Ogalala | |
| Laramie | |
| Fox Hills | |
| Niobrara | |
| Fort Hayes | |
| Codell | |
| Carlile | |
| Greenhorn | |
| Graneros Sh. | |
| X-Bentonite | |
| Dakota SS. | 1454 |
| Kiowa/Skull Creek | |
| Cheyenne SS. | 1822 |
| Morrison | |
| Taloga | |
| Day Creek | |
| Blaine | 2402 |
| Cedar Hills/Lyons | |
| Stone Corral | 2844 |
| Wolfcamp | |
| Neva | |
| Foraker | |
| Wabaunsee | |
| Shawnee | |
| Lansing-Kan. City .. | |
| Marmaton | |
| Cherokee | |
| Atoka | |
| Morrow | 5064 |
| Morrow Sand | |
| Keyes (lime) | |

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

Set abandonment plugs:

Plug #1 2400'-2300' w/50 sx Premium
 Plug #2 1825'-1725' w/50 sx Premium
 Plug #3 1450'-1350' w/50 sx Premium
 Plug #4 485'-435' w/40 sx Premium

Plug #5 60'-10' w/20 sx Premium

Cut off 8-5/8" pipe 4' BGL and weld on plate.

34. CIRCLE ENCLOSED ATTACHMENTS:

- MECHANICAL LOGS (1 full set req'd)
- GEOLOGIC REPORT

3. WELLBORE SKETCH
(See #27)

- DST REPORT
- DIRECTIONAL SURVEY

6. SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

- CORE ANALYSIS
- OTHER:

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

SIGNED

Joy L. Prohaska

PRINT

TITLE

Regulatory Analyst

DATE

08-08-90