

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ **RECEIVED**  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_2. NAME OF OPERATOR  
HANAGAN PETROLEUM CORPORATION3. ADDRESS OF OPERATOR  
P.O. Box 1737, Roswell, New Mexico 882074. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 1650' FNL and 1980' FWL

At top prod. interval reported below

At total depth Same

14. PERMIT NO. \_\_\_\_\_  
DATE ISSUED \_\_\_\_\_  
U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO  
AUG 24 197315. DATE SPUDDED 5/26/73 16. DATE T.D. REACHED 7/20/73 17. DATE COMPL. (Ready to prod.) 8/20/73  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3651 KB 19. ELEV. CASINGHEAD 3635

20. TOTAL DEPTH, MD &amp; TVD 10880 21. PLUG, BACK T.D., MD &amp; TVD 10840 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS X CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Morrow 10804-10830 25. WAS DIRECTIONAL SURVEY MADE No26. TYPE ELECTRIC AND OTHER LOGS RUN  
Schlumberger GR-N inside casing to 10858 27. WAS WELL CORED No

| CASING RECORD (Report all strings set in well) |                 |                |            |                                              |               |
|------------------------------------------------|-----------------|----------------|------------|----------------------------------------------|---------------|
| CASING SIZE                                    | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE  | CEMENTING RECORD                             | AMOUNT PULLED |
| 13-3/8                                         | 65              | 247            | 17-1/2     | Circ. w/250                                  | None          |
| 8-5/8                                          | 24              | 2080           | 12-1/4 & 1 | Circ. w/900                                  | None          |
| 5-1/2                                          | 17 and 20       | 10880          | 7-7/8      | 1st stage-w/350 -<br>2nd w/350 & resq. w/450 | None          |

| LINER RECORD |          |             |               |             | TUBING RECORD |                |                 |
|--------------|----------|-------------|---------------|-------------|---------------|----------------|-----------------|
| SIZE         | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE          | DEPTH SET (MD) | PACKER SET (MD) |
|              |          |             |               |             | 2-7/8         | 10290          | 10296           |

| PERFORATION RECORD (Interval, size and number)                                                                    |  | ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                              |
|-------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|----------------------------------------------|
| Schlumberger Csg. gun 2 SPI:10804, 06, 08, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28 & 10830 (total 28 holes - 0.45) |  | DEPTH INTERVAL (MD)                        | AMOUNT AND KIND OF MATERIAL USED             |
|                                                                                                                   |  | 10804-30                                   | 500 Gal. 15% "Morrow Flow," dumped down tbg. |
|                                                                                                                   |  | 10804-30                                   | 3000 Gal. MS 7 1/2% w/Nz                     |

| PRODUCTION            |                 |                                                                      |                         |          |                |                                    |               |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|----------------|------------------------------------|---------------|
| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |                | WELL STATUS (Producing or shut-in) |               |
|                       |                 | Flowing - See attached form C-122                                    |                         |          |                | Shut-In                            |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.       | WATER—BBL.                         | GAS-OIL RATIO |
| 8/17/73               | 4               | Varies                                                               | →                       | CAOF     | 10,300 MCF GPD |                                    | (4 Pt. Test)  |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL.     | OIL GRAVITY-API (CORR.)            |               |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Shut-in waiting for pipeline connection. TEST WITNESSED BY F. Tefteller35. LIST OF ATTACHMENTS  
(5) Notarized Dev. Survey - (5) Form 9-330 - (3) Electric Logs - (5) C-122.

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

SIGNED Hugh E. Hanagan TITLE Vice-President DATE 8/20/73

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**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 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 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. |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------|
| DST#1 (Strawn) | 9660-9745- Op. 45" GTS 15" TSTM Rec. 40' SGCM<br>45" ISI 2379-60" FSI 2318<br>FP 74-74 HP 4524-4524                                                                                                                                                    |        |                             |
| DST#2 (Morrow) | 10397-10440 - 14" Preflow GTS 4" Flow 1/4"<br>Ck. SFP 2900# @ 4285 MCF Reop. 30" Max. F 4873 MCF<br>1/4" SFP 3300# - No. rec., well blew out on way<br>out with test tool - 60" ISI 4314 - 114" FSI 4312 -<br>IFP 2743-3869 FFP 2917-4183 HP 4830-4812 |        |                             |

38.

## GEOLOGIC MARKERS

| NAME           | TOP         |                  |
|----------------|-------------|------------------|
|                | MEAS. DEPTH | TRUE VERT. DEPTH |
| Capitan        | 515         |                  |
| Delaware       | 2000        |                  |
| Bone Springs   | 4378        |                  |
| 1st.Bs Sd.     | 5530        |                  |
| 2nd.Bs Sd.     | 6318        |                  |
| 3rd.Bs Sd.     | 7653        |                  |
| Wolfcamp       | 7983        |                  |
| Upper Penn Lm. | 8948        |                  |
| Atoka          | 9968        |                  |
| Morrow         | 10422       |                  |
| Barnett        | 10831       |                  |