

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form approved. Budget Bureau No. 42-R355.5

NM OIL CONS. COMMISSION Artesia, NM 88210

other instructions on reverse side

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO. NM-A-32594-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal "18"
9. WELL NO. 1
10. FIELD AND POOL, OR WILDCAT Undesignated Morrow
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 18, T19S, R27E
12. COUNTY OR PARISH ROSWELL, NEW MEXICO
13. STATE NM

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] Other [ ]
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESV. [ ]
AUG 19 1982

2. NAME OF OPERATOR Robert N. Enfield
3. ADDRESS OF OPERATOR P. O. Box 2431, Santa Fe, New Mexico 87501
OIL & GAS MINERALS MGMT. SERVICE ROSWELL, NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*
At surface 660' FNL & 660' FEL of Section 18
At top prod. interval reported below
At total depth
OCT 4 1982 O.C.D.

14. PERMIT NO. ARTESIA, OFFICE ISSUED

15. DATE SPUNDED 4/18/82
16. DATE T.D. REACHED 5/28/82
17. DATE COMPL. (Ready to prod.) 7/6/82
18. ELEVATIONS (DF, RBK, RT, GR, ETC.) 3289 KB
19. ELEV. CASINGHEAD 3271'

20. TOTAL DEPTH, MD & TVD 10,025'
21. PLUG, BACK T.D., MD & TVD 9982'
22. IF MULTIPLE COMPL., HOW MANY\*
23. INTERVALS DRILLED BY
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 9713' - 9769' Morrow
25. WAS DIRECTIONAL SURVEY MADE No
27. WAS WELL CORED NO

26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Neutron formation density, DLL, MSFL

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

Table with 6 columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 13-3/8", 8-5/8", and 5-1/2" casing sizes.

29. LINER RECORD and 30. TUBING RECORD. Tables with columns for SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT\*, SCREEN (MD), SIZE, DEPTH SET (MD), PACKER SET (MD).

31. PERFORATION RECORD (Interval, size and number) 1 each at 9713', 9715', 9717', 9725', 9727', 9730', 9735', 9737', 9739', 9745', 9749', 9751', 9759', 9769'. 0.375" dia.
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. 9713-9769 250 gal 15% acetic acid, 4500 gal 7-1/2% MS acid = 135,000 scf nitrogen 1000 gal 7-1/2% MS acid 19500 MSFCAC, 5000# 100 MS sd,

33.\* PRODUCTION 20,000# 20/40 sand
DATE FIRST PRODUCTION
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing
WELL STATUS (Producing or shut-in) SI

Table with columns: DATE OF TEST, HOURS TESTED, CHOKE SIZE, PROD'N. FOR TEST PERIOD, OIL—BBL., GAS—MCF., WATER—BBL., GAS-OIL RATIO, 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.) To be sold when lines have been installed

35. LIST OF ATTACHMENTS Logs and Deviation survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. SIGNED Robert N. Enfield TITLE Operator

ACCEPTED FOR RECORD TEST WITNESSED BY Richard Townly OCT 11 1982 U.S. GEOLOGICAL SURVEY DATE 8/11/82 ROSWELL, NEW MEXICO

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

**General:** This form is designed for submitting a complete and correct well completion report and log. 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 36.

**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.
Cisco Canyon	7896'	7907'	DST #1 opn tool 30 min on 3/8" chk. Pres 1325#-no fluid. Gas to surf in 3 min, cal 4556 MCF. 2nd flo-opn tool 30 min, 1500#, wtr to surf in 17 min, fine spray through-out 2nd flo. HI 3822, 1st flo 1362, ff on 1st flo 2082, ISIP 3064, 2nd flo 1362, ff on 2nd flo 2238, FSI 3064, Hydro press 3799. Recov in DP: 270' slphr wtr, 30' cond. Smpl chmbr press 2290, 25 cc cond & slphr wtr, 14.6 cubic feet gas.
Morrow A	9645'	9726'	DST #2: IF-20 min, open w/weak blo, at end of 20 min, dcrsng. ISI-75 min. FF-30 min-well dead. FSI-90 min. Recov in smple chmbr-20# press, recov 1100 cc drill mud, no gas no wtr. DP recov:150' drill mud, no gas. IHI 4701, IF 151, FF 195, ISI 217, 2nd Flo 173, FF 195, FSI No press, FHP 4675.
Morrow A	9724'	9814'	DST #3 Opn for 30 min w/weak blo, incr to strng blo. Blowed to btm of 5 gal bkt in 3 min. In 20 min. 1# on guage, no gas to surf. In 30 min. same-no gas. SI at end of 30 min.

38. GEOLOGIC MARKERS

NAME	DEPTH	TRUE VERT. DEPTH
Queen	1490'	1490'
Penrose	1583'	1583'
Grayburg	2683'	2683'
Premier Sand	6996'	6996'
San Andres	7318'	7318'
Bone Spring Lime	7904'	7904'
3rd Bone Spring Sand	8346'	8346'
Wolfcamp Lime	9248'	9248'
Cisco Reef	9639'	9639'
Base Cisco Reef	9710'	9710'
Atoka	9770'	9770'
Morrow Clastics		
Morrow "A" Sand		
Base Morrow "A" Sand		