

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(See instructions on reverse side)

Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM 23199

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Wilson 21 Federal

9. WELL NO.

3

10. FIELD AND POOL OR WILDCAT

Comanche Stateline

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 21, T26S, R 36E

12. COUNTY OR PARISH

Lea

13. STATE

NM

1a. TYPE OF WELL:

OIL

WELL

☒

GAS

WELL

☐

DRY

☐

Other

b. TYPE OF COMPLETION:

NEW

WELL

☒

WORK

OVER

☐

DEEP-

EN

☐

PLUG

BACK

☐

DIFF.

RESVR.

☐

Other

☐

Other

☐

Other

☐

Other

☐

Other

☐

Other

☐

Other

☐

Other

☐

Other

2. NAME OF OPERATOR

HNG Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 2267, Midland, Texas 79702 U.S. GEOLOGICAL SURVEY

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1800' FWL & 1910' FSL of Sec. 21

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

6-18-79

12. COUNTY OR PARISH

Lea

13. STATE

NM

15. DATE SPUDDED

7-21-79

16. DATE T.D. REACHED

8-17-79

17. DATE COMPL. (Ready to prod.)

9-19-79

18. ELEVATION (DF, RKB, RT, GR, ETC.) *

2920' GR

19. ELEV. CASINGHEAD

2920'

20. TOTAL DEPTH, MD & TVD

3797'

21. PLUG BACK T.D., MD & TVD

3760

22. IF MULTIPLE COMPL., HOW MANY *

1

23. INTERVALS DRILLED BY

Rotary

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) *

3191-3470 Tansill Yates

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Spaces Compensated Neutron (Unable to run open hole log)

27. WAS WELL CORED

NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23#	1417'	11"	550 TLW & 300 sx C/C	Circ.
5-1/2"	14#	3797'	7-7/8"	375 HLW & 325 sx C/C	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	3407	3075

31. PERFORATION RECORD (Interval, size and number)

3718-3759 (.42" 9) 3191'-3269'
 3616-3668 (.41" 7) (.41" 12)
 3510-3513 (.41" 4)
 3436-3470 (.41" 12)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3513-3718	ret at 3500' sq. w/75 sx C/L
3436-3470	Acidize w/10% MCA
3191'-3269	Acidize w/2500 gals 10% MCA
Frac w/40,000 gelled water, 50% CO2	

33. PRODUCTION 40,000# 20-40, 62,000#10-20; prep. pac

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9-21-79		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-24-79	24	32/64"	→	162	220	16	1358
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
280	Packer	→				31.0	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Log

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

SIGNED Betty A. Gildon TITLE Regulatory Clerk DATE 9-26-79

*(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 report 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: "Secks 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 FORMER ZONES:			38. GEOLOGIC MARKERS			
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUMULON (SEE, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES)						
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAN. DEPTH	TRUE VERT. DEPTH
Tansill	3174	3426	Dolomite	Tansill	3174	
Yates	3426	3478	Sand & Dolomite	Yates	3426	
Seven Rivers	3478	TD	Sand & Dolomite	Seven Rivers	3478	

RECEIVED
OCT - 9 1971
O.C.D. HOBBS, OFFICE