

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse)

Form approved *Copy to 12*
Budget Bureau No. A2-3355.5.

LEASE DESIGNATION AND SERIAL NO.

NM-0539770

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Coles 31 Federal

8. FARM OR LEASE NAME

Coles 31 Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Crawford/Morrow

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

Sec. 31, T24S, R27E, NMPM

12. COUNTY OR PARISH
Eddy

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ FLUG BACK ☐ DIFF. RESVR. ☐ Other _____**RECEIVED**

2. NAME OF OPERATOR

HNG Oil Company

JUL 23 1974

3. ADDRESS OF OPERATOR

P. O. Box 2267, Midland, Texas

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

At surface 860' FNL & 1980' FWL, Sec. 31, T24S, R27E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

11-26-73

15. DATE SPUDDED

12-28-73

16. DATE T.D. REACHED

2-11-74

17. DATE COMPL. (Ready to prod.)

P&A

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

GR 3391

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

12,200'

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

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-12,200'

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

Small snow of gas from perms 11,947-49'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-Correlation Log w/GO International

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
10-3/4"	40.5&32#	2190	13-3/4"	1650 sk Cmt	None
7-5/8"	26.4&29.7#	9200	9-1/2"	900 sk Cmt	3560

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	9046	12,132	500	None	None		

31. PERFORATION RECORD (Interval, size and number)

4-1/2" liner perms 11,947-59';
11,956'-76', 11,814-816'; 11,680-683'.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11,947-49	1000 gals 15% HCl
11,956-76	1000 gals 15% HCl
11,814-683	2000 gals 15% HCl

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) P&A	
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.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED

R.R. Frazier

R. R. Frazier

TITLE

Petroleum Engineer

DATE

7-19-74

*(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 33.

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 16: 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:				38. GEOLOGIC MARKERS	
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.	NAME	MEAS. DEPTH
				Lamar Lime	2160
				Delaware Sd.	2230
				Bone Springs	5730
				Wolfcamp	9158
				Strawn	10787
				Atoka	11090
				Morrow	11280
				Barnett	12080