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Form C-105  
Revised 11-1-78

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

52. Indicate Type of Lease  
State  Fee

53. State Oil & Gas Lease No.

1a. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_

7. Unit Agreement Name  
**Shoe Bar Ranch Unit 34**

8. Farm or Lease Name

2. Name of Operator  
**HNG Oil Company**

9. Well No.  
**1**

3. Address of Operator  
**P.O. Box 2267, Midland, Texas 79702**

10. Field and Pool, or Wildcat  
**South Shoe Bar Morrow**

4. Location of Well  
UNIT LETTER **N** LOCATED **990** FEET FROM THE **South** LINE AND **1980** FEET FROM

11. County  
**Lea**

THE **West** LINE OF SEC. **34** TWP. **16S** RGE. **35E** NMPM

15. Date Spudded **7-10-78** 16. Date T.D. Reached **9-8-78** 17. Date Compl. (Ready to Prod.) **9-20-78** 18. Elevations (DF, RKB, RT, GR, etc.) **3971.3 GR** 19. Elev. Casinghead **3971.3**

20. Total Depth **13,011** 21. Plug Back T.D. **12,919** 22. If Multiple Compl., How Many **No** 23. Intervals Drilled By Rotary Tools **X** Cable Tools \_\_\_\_\_

24. Producing Interval(s), of this completion - Top, Bottom, Name  
**12,456-12,479 Morrow**

25. Was Directional Survey Made  
**No**

26. Type Electric and Other Logs Run  
**Compensated Neutron-Density w/Gamma Ray, Dual Lateral Dipmeter**

27. Was Well Cored  
**No**

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	400'	17 1/2	450 sx C1C	None
9-5/8"	40#	4820	12 1/2	2500 sx HL & 500 sx C1C	None
4-1/2" & 5-1/2"	1350# & 17#	13011	8 1/2	450 sx HLW & 500 sx C1H	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	11,825	PBR at 11,818

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

12,456-12,467 - .36" holes - 12	12,472-12,479 - .36" holes - 8
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32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,456-12,479	Acidize w/2000 gals Morrow Flow Acid, Flush w/2% KCL water 2 gal/M Tri-S, 500 SCF N2/bbl throughout.

33. PRODUCTION

Date First Production **Pending Pipeline** Production Method (*Flowing, gas lift, pumping - Size and type pump*) **Flowing** Well Status (*Prod. or Shut-in*) **Shut-in**

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
9-21-78	4	15/64		4	333	0	83.25

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
1725	Packer		24	2937 AOF	0	53.

34. Disposition of Gas (*Sold, used for fuel, vented, etc.*) **Vented** Test Witnessed By **Spruell**

35. List of Attachments **LOGS:**  
**Compensated Neutron Formation Density & Dual Laterolog Micro-SFL**

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Betty A. Gildon Betty A. Gildon TITLE Regulatory Clerk DATE 9/27/78

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 15 days after the completion of any new-drilled or deepened well. It shall be accompanied by a true copy of all electrical and gamma-activity logs on the well and a summary of all special tests conducted, including drill stem tests. All test results shall be measured in feet. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, logs 20 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1125.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>11884</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka <u>12060</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Mass <u>12930</u>	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>4950</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta <u>6455</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbery _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>7794</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>8540</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>9842</u>	T. <u>Morrow</u> <u>12526</u>	T. Chinle _____	T. _____
T. Penn. <u>11410</u>	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 12452 to 12480 No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

● IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to \_\_\_\_\_ feet.

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
4950	6455	1505	San Andres				
6455	7794	1339	<del>Glorieta</del> <i>Glorieta</i>				
7794	8540	746	Tubb				
8540	9842	1302	Abo				
9842	11410	1568	Wolfcamp				
11410	11884	474	U. Penn				
11884	12060	176	Strawn				
12060	12526	466	Atoka				
12526	12930	404	Morrow				